FUNGI NONNULLI EXTRA-ITALICI NOVI

EX HERBARIIS

C. C. GILLET, P. MORTHIER, ET G. WINTER.

AUCTORE

P. A. SACCARDO

1. **Pseudopeziza Morthieri** Sacc. Maculis foliorum arescendo ochraceo-fulvis, amplis; cupulis hypophyllis hinc inde gregariis, plano-scutellaribus, adnato-sessilibus, minutissimis, vix $^1/_{10}$ mill. diam., glabris, madore disco apertis, flavo-fulvis, pellucidis; contextu excipuli parenchymatico, margine subprosenchymatico; ascis cylindraceo-clavulatis, 45 ≈ 7, subsessilibus, paraphysibus filiformibus apice *aduncis*, obvallatis, octosporis; sporidiis distichis, cylindraceo-clavatis, 7–10 ≈ 2–2 $^1/_2$, quandoque curvulis, hyalinis.

   Hab. in pagina inferiore foliorum R u b i g l a n d u l o s i in alpibus Helveticis, unde misit Junio 1878 clariss. prof. Doct. P. Morthier.

   Obs. A *Peziza misella* Dmz., *P. dumorum* Dmz., *P. Œdema* Dmz. nec non a *Pseudopeziza exigua* Niessl (omnibus folia Ruborum habitantibus) probe diversa.

2. **Pleospora Gilletiana** Sacc. Peritheciis gregariis, epidermide tumidula velatis, e globoso depressis, $^1/_2$ mill. diam., nigris, vix papillatis, basi hyphis filiformibus copiosis, fuligineis cinctis, ceterum glabris; contextu laxe parenchymatico, fuligineo: ascis cylindraceis 130 ≈ 13–15, subsessilibus, apice rotundatis ibique lumine truncato integro, paraphysibus (ubi adsunt) brevissimis obvallatis, octosporis; sporidiis oblique monostichis oblongo-ovoideis, medio plerumque leniter constrictis, utrinque obtusiusculis, 25–28 ≈ 12–13, initio hyalinis

1-septatis, dein 7-septatis denseque muriformibus, cribrose guttulatis, flavis, tandem melleis.

Hab. in ramulis Genistæ prope *Alençon* in Gallia 1878 (C. C. GILLET).

Obs. A *Pleospora Cytisi* Fckl., cui affinis, differt ascis multo angustioribus, sporidiis brevioribus, peritheciis basi vestitis &c.

Lophiotrema Winteri Sacc. Peritheciis sparsis gregariisve, cortice nidulantibus lignoque adnatis, globulosis, $^1/_2$ mill. d., ostiolo emergente compresso sed angusto et acutiusculo; ascis clavatis, v. clavato-cylindraceis, 100–110 ⋇ 15–17, apice rotundatis, breve stipitatis, paraphysibus copiosis filiformibus obvallatis, octosporis; sporidiis monostichis vel p. p. distichis, fusoideis, curvulis, 28–34 ⋇ 7 $^1/_2$–8 $^1/_2$, obtusiusculis, 5-septatis, ad septa leniter constrictis, typice hyalinis 6-guttulatis, utrinque appendiculâ longiusculâ crassâ hyalinâ, mox deciduâ auctis.

Hab. in ramulis emortuis Helianthemi prope *Zurich* in Helvetia, aut. 1878 (Prof. G. WINTER).

Obs. Peraffine *L. præmorso* (Lasch.) Fckl., Sacc. F. it. tab. 253, a quo peritheciis minoribus, ostiolis acutiusculis, sporidiis crassius appendiculatis recedit et *L. sexnucleato* Cke a quo sporidiis appendiculatis, ostiolo angustiore &c. differt.

3. **Phoma aculeorum** Sacc. Peritheciis gregariis, punctiformibus, $^1/_{10}$–$^1/_8$ mill. d., conoideis, nigris, initio epidermide velatis; spermatiis cylindraceo-oblongis, sæpe curvulis, 3–4 ⋇ 1, obsolete 2-guttulatis, hyalinis, basidiis fusoideis crassiusculis suffultis.

Hab. in aculeis languidis Rosarum prope *Alençon* in Gallia, 1878 (C. C. GILLET).

4. **Phoma enteroleuca** Sacc. Peritheciis hinc inde acervulatis, peridermio tectis, dein erumpentibus, globulosis, $^1/_4$ mill. diam. vix papillatis, diu nucleo albo farctis; spermatiis ovoideo-oblongis, 4 ⋇ 1$^1/_2$, eguttulatis, hyalinis (basidiis nullis visis).

Hab. in ramulis Pyri prope *Alençon* in Gallia, 1878 (C. C. GILLET).

5. **Phoma populea** Sacc. Botryosphærioides; peritheciis

hinc inde aggregatis, innato-erumpentibus, globulosis, minutis, nigris, vix papillatis; spermatiis obovoideis, 10 ≈ 7, apice rotundatis, nubilosis, hyalinis (basidiis nullis visis).

Hab. in ramis corticatis Populi fastigiatæ prope *Alençon* in Gallia, 1878 (C. C. GILLET).

6. **Phoma xanthina** Sacc. Peritheciis gregariis, epidermide tumidula velatis, globoso-depressis, $^1/_5$–$^1/_3$ mill. diam., ostiolo exiguo erumpente, contextu laxe parenchymatico fuligineo; spermatiis cylindraceis v. cylindraceo-oblongis, utrinque obtusis, curvulis, 15 ≈ 4–6, 2–3-guttulatis, singulis subhyalinis, coacervatis luteolis, basidiis obsoletis.

Hab. in caule putrescente Delphinii prope *Alençon* in Gallia, 1878 (C. C. GILLET).

7. **Phoma Spartii** Sacc. Peritheciis gregariis, cortice velatis, dein, ipso secesso, superficialibus, basi ligno insculptis, oblongis, quandoque subhysteriiformibus, $^1/_3$ mill. lgs, $^1/_5$ crs., nigris, ostiolo sæpe rimose dehiscente; spermatiis fusoideis, 10–11 ≈ 2–2$^1/_2$, 2-guttulatis, hyalinis, basidiis filiformibus, curvis, 20–22 ≈ 1$^1/_2$–2, suffultis.

Hab. in trunco Spartii prope *Alençon*, in Gallia 1878 (C. C. GILLET).

Obs. Verisimiliter status spermogonicus *Diaporthes* cujusdam.

8. **Vermicularia herbarum** West., Kx Fl. Flandr. I. 405 (ut videtur).

Hab. in caule putrescente Solani tuberosi prope *Alençon* in Gallia, 1878 (C. C. GILLET).

Obs. Perithecia laxiuscule gregaria, superficialia, globoso-depressa, $^1/_2$ mill. diam., nigra, setulis crebris vestita; spermatia cylindracea, subrecta, utrinque obtuse rotundata, 20–22 ≈ 3–4, granulosa, hyalina. A *Verm. Dematio* Fr., cui habitu affinis, differt spermatiis rectis, obtusisque, nec falcatis. Longius distat a *Vermic. atramentaria* B. & Br. (? = V. maculanti [Link] Dmz.) ob perithecia majora & laxe sparsa.

9. **Septoria Gilletiana** Sacc. Maculis nullis; peritheciis

spuriis) hypophyllis, hinc inde gregariis 100–110 micr. diam. epidermide tumidula tectis; spermatiis e strato proligero crassiusculo fasciculatim oriundis, filiformibus curvulis v. tortuosis, 30–45 $\times$ $1^3/_4$–2, utrinque obtusiusculis, 3–septatis, hyalinis.

Hab. in foliis nondum emortuis Castaneæ vescæ prope *Alençon* in Gallia, 1878 (C. C. Gillet).

Obs. A *Sept. castanicola* Dmz., Sacc. Michelia II. 175. spermatiis dimidio et ultra angustioribus &c. recedit.

10. **Phyllosticta Platanoidis** Sacc. Maculis subnullis, peritheciis minutissimis, hypophyllis, hinc inde maculiformiter aggregatis, vix 70–80 micr. diam., poro pertusis; spermatiis oblongis, perexilibus, 3 $\times$ $^1/_2$, hyalinis.

Hab. in foliis Aceris Platanoidis prope *Alençon* in Gallia, 1878 (C. C. Gillet).

11. **Glæosporium phæosorum** Sacc. Acervulis ramulicolis, gregariis epidermide velatis, globosis v. oblongis, $^1/_4$ mill. diam., nigricantibus, tandem irregulariter erumpentibus; conidiis fusoideis majusculis, 25–28 $\times$ 8, raro oblongis, chlorino–hyalinis granulosis, basidiis filiformibus, brevibus, quandoque fuscatis fultis.

Hab. in sarmentis corticatis Ruborum prope *Alençon* in Gallia, 1878 (C. C. Gillet).

Obs. Æquo fere jure ad gen. *Myxosporium* duci potest.

12. **Stemphylium ramulosum** Sacc. Effusum, velutinum, atrum, hyphis ascendentibus, filiformibus, elatis, $^1/_2$ mill. altis, 10–13 micr. crassis, deorsum leniter incrassatis, apice simpliciter v. repetite breve-ramulosis, ubique crebre articulatis, intense fuligineis, articulis 2–guttatis; conidiis ex apice hypharum oriundis, oblongis v. obpyriformibus, 35–50 $\times$ 18, 5–7septato-muriformibus, cribrose guttulatis, fuligineis,

Hab. in caule putrescente Apii Petroselini prope *Alençon* in Gallia (C. C. Gillet).

Obs. Genus *Mystrosporium* a *Stemphylio* antiquiore essentialiter non differt. Species hæc a *Mystr. Spraguei* B. & Curt. et *Mystr. macropode* Cda hyphis apice ramosis statim dignoscitur.

FUNGI VENETI

NOVI VEL CRITICI

VEL MYCOLOGIÆ VENETÆ ADDENDI

AUCTORE

P. A. SACCARDO

SERIES IX.

Hymenomyceteæ *Fr.*

1. **Agaricus** (Pleuropus) **perpusillus** Fr. Hymen. Eur. p. 181.
Hab. ad rhizomata emortua Andropogonis et ramenta proxima *a Conegliano*, æstate 1878 (Spegazzini).
Obs. Pileis minutis (vix 2–3 mill. diam), albis, conchatis, sæpius centro affixis, glabris, lamellis parcissimis crassiusculis facile dignoscenda species.

2. **Agaricus** (Clitocybe) **amplus** Pers. Syn. p. 359, Fr. Hymen. Europ. p. 359, Kx. Flandr. II. 143.
Hab. in muscosis, uliginosis *a Selva*, Oct. 1878.
Obs. Pileus plano-concavus, 13–15 cent. diam., margine sinuosus lamellæque e corneo albida. Sporæ ellipsoideæ, $5 \times 3\ ^1/_2$, 1-guttulatæ, hyalinæ. Odor funginus levis.

3. **Panus Flabellulum** S. & S. Pileo dimidiato, flabellato, 1 cent. d. membranaceo-tenacello, subsquamuloso, margine acutiusculo, in basim breve stipitiformi-attenuato, vivo albo dein cerino: lamellis crebris angustis integris dimidiatisque, distinctis, in basim decurrentibus, acie integra: trama hymenina anastomotico-filamentosa, basidiis subclavatis 20×5; sporis in basidiis diu inclusis, sphæroideis, $2^1/_3$–$3^1/_4$ diam. levibus, hyalinis.

Hab. in culmis putrescentibus Arundinis Donacis *a Conegliano,* Sept. 1876.

Obs. Habitu *Panum stipticum* obiter visus refert, characteribus longe distat.

4. **Boletus flavus** With., Fr. Hymen. Eur. p. 497 — Kx. Flandr. II. 239.

Hab. in uliginosis, *a Selva,* Oct. 1878.

Obs. Est forma pileo flavo expallente. Stipes supra anulum membranaceum eximie poroso–reticulatus. Sporæ ovoideo-oblongæ, basi acutatæ, 12 ≈ 4, granulosæ, dilute ochraceæ.

5. **Polyporus cinnamomeus** (Jacq.) Sacc. *Boletus cinnamomeus* Jacq. Collect. I. pag. 116 tab. II.

Hab. inter muscos in sylva *Montello* et *a Conegliano*, aut. 1878.

Obs. Totus vivide cinnamomeus, hymenium vero dilutius. Stipes velutino-tomentellus; pileus zonatus, margine sæpius eximie fimbriatus. Hymenium versus marginem sterile; pori majusculi angulosi (pentagoni vel hexagoni). Affinis *Polyporo perenni,* a quo poris duplo triplove majoribus statim dignoscitur. A *P. arculario* pileo zonato &c. differt. An vero *P. cinnamomeus* noster secundo anno microporus fiat et in *P. perennem* abeat possibile videtur, sed hoc factum observatio nondum confirmavit.

6. **Fistulnia hepatica** (Huds.) Fr., Sacc. Mycol. Ven. Spec. p. 57. Status omnino gasterosporus *Ceriomycetem* sistens. Cfr. De Seyn. Mon. Fist. t. V, Arcang. in Giorn. bot. ital. 1878 p. 369.

Obs. Ex radicum quercinarum rimis in sylva Montello quandoque gignuntur conceptacula tubulis prorsus carentia e globoso ovoidea, extus rufescentia, papillato-asperula, intus purpurescentia, radiatim locellata; locelli elongati saturatiores, hyphis sporisque farcti, sporæ ad apicem hypharum ramulosarum racemose aggregatæ, ovoideæ v. suboblongæ, 6–10 ≈ 5, rarissime sub–1–septatæ, granulosæ, hyalinæ. Male hæ sporæ conidia dicuntur, nam conidia libera sunt, hyphomycetibusque propria. *Gasterosporæ* aptius dici possent. Si cl. Ar-

cangeli eximiam Seynesii monographiam gen. Fistulinæ vidisset, forte Notulam suam aut saltem tabulam ut supervacaneam, omisisset. *Ceriomyces terrestris* Schulz, Sacc. F. Ven. Ser. V. 167 et M. V. n. 835 certe *Polypori sericelli* Sacc., quocum nascitur, status gasterosporus habendus est.

7. **Hydnum cyathiforme** Schaff. t. 139. Fr. Hymen. europ. p. 606. *H. tomentosum* Fr. S. M., Sacc. Mycol. Ven. 58 (teste Fr. *non* L.). * **obscurum**: pileo stipiteque cinereo-fusco, margine pilei aculeisque albicantibus, ceterum ut in typo.

   Hab. in muscosis udis sylvæ *Montello*, Oct. 1878.

   Obs. Aculei extus albi, intus vero ferruginei. Sporæ globulosæ asperulæ, 2 $^1/_2$–3 $^1/_2$ micr. d., perfectæ hyalinæ.

8. **Hydnum geogenium** Fr. Hymen. europ. p. 610. *H. sulphureum* Kalchb., in litt. ad Fr.

   Hab. ad terram inter radices Abietis putrescentes in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

   Obs. Mycelium longe lateque effusum, flocculosum, sulphureum. Sporæ globulosæ, 4 micr. d., muriculatæ, hyalino–flavidæ.

9. **Typhula erythropus** (Bolt.) Fr. Hymen. europ. p. 683. Karst. Mycol. Fenn. III p. 338. Kx Flandr. II. 121.

   Hab. in caule putri *a Conegliano*, aut. 1877 (Spegazzini).

10. **Exobasidium Vaccinii** Wor., Fckl. Symb. 26., Sacc. M. V. Cent. XIV.

    Hab. in foliis vivis Vaccinii Vitis ideæ in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Hypodermeæ *de Bary.*

11. **Triphragmium Isopyri** Moug. Vog. n. 892, Duz. Exs. n. 1087 (sec. Hoffm. Ind. p. 143).

    Hab. in pagina inferiore foliorum viventium Isopyri thalictroidis in collibus Euganeis, Martio 1878 (Bizzozero).

    Obs. Folia affecta deformantur v. corrugantur, in-

fraque bullosa fiunt, quasi ab aliqua ustilagine invasa essent. Acervuli satis extensi, irregulares, tumiduli, ob epidermidem velantem subcinerei, denique erumpentes, atri. Teleutosporæ obtuse trigonæ, tricellulares, sursum 2-loculares, attenuatæ, diam. 35-40 micr., parce verruculosæ, 3-nucleatæ, opace fuligineæ, stipite cylindraceo, 15 ✶ 6-7, hyalino suffultæ.

12. **Puccinia Noli-tangere** Cda Icon. fung. IV. fig. 57. Sacc. M. V. Cent. XIV.

Hab. in foliis Impatientis Nolitangere languidis in sylva *Cansiglio*, Aug. 1878 (C. Spegazzini).

Obs. Acervuli sæpius teleutospori. Teleutosporæ ellipsoideæ v. suboblongæ, medio leniter constrictæ, vertice hyalino-apiculatæ, tunica non incrassata, brevissime stipitatæ, granulosæ, ochraceæ, quandoque germinantes et tunc filamenta varie ramulosa sporidiophora, tota hyalina proferentes. Stylosporæ globulosæ, 20 micr. diam., longiuscule stipitatæ, vix asperulæ. dilutissime ochraceæ.

13. **Puccinia Calthæ** Lk. Sp. II. 79. Ck. Hnd. p. 504. Sacc. Mycoth. Ven. Cent. XIV.

Hab. in pagina inferiore foliorum Calthæ palustris in sylva *Cansiglio*, Aug. 1878, statu uredosporo et teleutosporo.

Obs. Uredosporæ globoso-ellipsoideæ, 30 ✶ 25, dilute ochraceæ, minute muricatæ. Teleutosporæ oblongæ, 40-50 ✶ 22-30, tunica apice incrassata, obtusiusculæ, granulosæ, cinnamomeæ, stipite sporam subæquante.

14. **Uromyces Liliacearum** Ung. Einf. d. Bod. p. 216, Voss. Pilz. Krains p. 17.

Hab. in foliis junioribus radicalibus Lilii bulbiferi *a Conegliano*, Majo 1877 (Spegazzini).

Obs. Teleutosporæ obovoideæ, 30 ✶ 25, leves, tunica æqualiter incrassata, cinnamomeæ, vertice apiculo hyalino ornatæ, stipite brevissimo hyalino suffultæ. Acervuli minuti epidermide jugiter velati.

15. **Æcidium Chærophylli** Kirchn. in Thüm. Krems Pilz. p. 6.

Hab. in petiolis v. in pagina inferiore foliorum vi-

vorum Chærophylli hirsuti prope *Melara* in agro Mantuano; Majo 1877 (Com. A. MAGNAGUTI-RONDININI).

16. **Ceratitium cornutum** (Pers.) Rabh., Sacc. Mycol. Ven. p. 88.
   f. **Sorbi aucupariæ** M. V. n. 485. — *Bosco Cansiglio.*
   f. **Aroniæ rotundifoliæ** — In collibus Veronensibus.
17. **Ceratitium laceratum** (Sow) Rabh., Sacc. Mycol. Ven. p. 87.
   f. **Sorbi torminalis** M. V. n. 63 — *Bosco Montello.*
   f. **Sorbi Ariæ** M. V. cent. XIV — *Bosco Cansiglio.*
   f. **Cratægi Oxyacanthæ** — In foliis et ramulis Cratægi Oxyacanthæ *a Conegliano.*

Phycomyceteæ *de Bary.*

18. **Peronospora Erythrææ** Kühn. *P. Chloræ* dBy. f. *Erythrææ* in Rabh. F. E. n. 1664.

   Hab. in foliis Erythrææ Centaurii *a Conegliano,* Julio 1877 (SPEGAZZINI).
19. **Peronospora pygmæa** (Ung.) dBy. Peron. in Hedw III. 132.

   Hab. in foliis Anemones nemorosæ in Horto Patavino et *a Conegliano,* vere 1878.

   Obs. I. Macroconidia subglobosa, granulosa, 20 ✶ 18. Microconidia ovoidea 5–6 ✶ 3. Oosporæ in mesophyllo nidulantes, globosæ, 40–45 micr. diam., leves, episporio luteo-fusco, endosporio 4–5 micr. cr. subhyalino, intus nubilosæ.

   Obs. II. In *Peronospora Chloræ* dBy oosporæ globosæ leves v. leniter rugosæ, 32–42 micr. diam., flavo-fuscæ, endosporio crassiusculo, hyalino. Hunc statum legit SPEGAZZINI *a Conegliano* Aut. 1877.
20. **Peronospora sordida** Bk., Cooke Hndb. p. 597 — α. **Scrophulariæ nodosæ** — β **Verbasci Blattariæ.**

   Hab. utraque forma in foliis plantarum citatarum *a Conegliano,* æstate 1877 (SPEGAZZINI).
21. **Peronospora densa** Rabh. de Bary Peron. in Hedw.

III. 133., Michelia I 12 (conid.) — Status **oogoniophorus** (ut videtur).

Hab. in caulibus, ramis, foliisque floralibus Rhinanthi minoris *a Conegliano*, Apr. 1877 (SPEGAZZINI).

Obs. In matricis partibus fungo affectis parvi hinc inde tumores gignuntur, epidermide denique infuscatâ tecti $^1/_4$ mill. lati et satis prominuli. Sporæ intra tumores copiosissimæ, globosæ v. initio e mutua pressione obtuse angulosæ, 35–37 micr. diam., levissimæ, guttatæ v. granulosæ, episporio 2–2 $^1/_2$ micr. cr. flavo-ochraceo, endosporio tenuiore hyalino. Totus habitus *Protomycetis*, eo magis quod status conidicus in exemplaribus observatis desideretur.

Ascomyceteæ *de Bary.*

PYRENOMYCETEÆ *Fr.*

Erysiphaceæ Lév.

22. **Erysiphe Montagnei** Lév., Fckl. Sgmb. mycol. pag. 85.

Hab. in pagina inferiore foliorum Lappæ minoris *a Conegliano*, Oct. 1878 (SPEGAZZINI).

Obs. Asci ovoidei, 70 × 35, 2–3-spori; sporidia ovoidea 30 × 28. Appendiculæ perithecii inæquales, fuscescentes.

Desciscentes

23. **Lasiobotrys Loniceræ** Kze in Mycol. Heft. II. 88.

Hab. in utraque pagina foliorum languidorum Loniceræ nigræ in silva *Cansiglio*, Aug. 1878 (SPEGAZZINI).

Obs. Fungillus structura valde peculiaris et (mirum!) a nullo, quem sciam, auctore exacte descriptus vel delineatus. In foliis gignuntur hinc inde gregatim cupulæ stromaticæ aterrimæ, mycelio solo penetrante, superficiales, 150–180 micr. diam, celluloso-con-

textæ, durinsculæ, margine setulis copiosis, septatis olivaceo-fuligineis, 60–150 ≠ 4, patulis ciliatæ. In his cupulis nidulantur perithecia numerosa, botryoso-aggregata, perfecte sphærica, astoma, 50 micr. d., contextu distinctissime parenchymatico, membranaceo, fuligineo; asci, qui insunt, fasciculati, cylindraceo-clavati, deorsum attenuati, 40–50 ≠ 10, octospori, aparaphysati; sporidiis breve fusoideis, 8–10 ≠ 4–5, hyalinis. Cupulæ stromaticæ, peritheciis facile secessis, perithecium unicum collapso-cupulatum mentiuntur, vel peritheciis farctæ simile nondum collapsum æmulantur. Icones et descriptiones auctorum, e. g. Grevillei, Wallrothii, Friesii, Cordæ etc. talem fabricam fictitiam ostendunt, perithecia vera haud demonstrant vel pro ascis habent.

24. **Myriococcum præcox** Fr. Syst. Mycol. II. 304. Corda Icon. fung. V. p. 56., t. III. fig. 39.

Hab. in fragmentis ligneis et corticibus putrescentibus in calidariis Horti Patavini, Januar. 1873.

Obs. Perithecia in subiculo mucedineo albo effuso dense gregaria, sphæroidea, diam. 50–70 micr., nitida, astoma, rufa; contextu distincte parenchymatico purpurascente, cellulis polyædricis 6–8 micr. diam. Corpuscula inclusa globulosa 6–10 micr. diam. hyalina, potius plasmatis guttulæ videntur. Etsi asci nondum innotuerint eurotiaceum genus videtur.

Sphæriaceæ Fr. p. p. Ces. et DNtrs.

Sect. 1. Allantosporæ Sacc.

25. **Valsa** (Euvalsa) **punica** S. & S. Acervulis sparsis, cortice nidulantibus, e peritheciis paucis, laxe cohærentibus monostichis efformatis; peritheciis globulosis $^1/_4$ mill. diam., nigris, nitidis, ostiolis cylindraceis perithecium subæquantibus, modice convergentibus erumpentibusque; perithecii contextu sinuose parenchymatico fuligineo; ascis cylindraceis sessilibus, 45–50 ≠ 8, utrinque obtusiusculis, aparaphysatis, octosporis; sporidiis distichis botuliformibus, 12–14 ≠ 3, utrinque obtusis 1-guttulatisque perfecte hyalinis.

Hab. In ramulis corticatis Punicæ Granati *a Conegliano*, aut. 1877, socia *Cytispora punica* nov. sp., ejus spermogonio, sic definienda: peritheciis subcutaneis, globulosis, laxe congregatis, ostiolis vix convergentibus cylindraceis, perithecio sublongioribus; contextu regulariter parenchymatico, fuligineo; spermatiis botuliformibus, 5 ≈ 1, hyalinis, basidiis bacillaribus duplo triplove longioribus suffultis.

26. **Valsa** (Eutypella) **Sorbi** (Schmidt) Fr. Summa p. 411.

Hab. in ramis corticatis Sorbi domesticæ prope *Conegliano*, æstate, 1878 (Spegazzini).

Obs. Acervuli mediocres, disco ostiolorum subrotundo nigro peridermium perforante. Asci clavati longe stipitati apice tunica incrassata truncati, 140–150 ≈ 7 $^1/_2$–10, octospori. Sporidia botuliformia, 6–8 ≈ 2–2 $^1/_2$, 2-guttulata, dilute olivascentia.

27. **Calosphæria tædiosa** Sacc. Peritheciis in acervulos depresse conoideos, epidermide tumidula velatos hinc inde congregatis, globulosis, $^1/_3$ mill. diam., nigris furfure corticali fulvo sæpe adspersis, tandem basi concavo-collabescentibus; ostiolis cylindraceis perithecium subæquantibus, in disculum minutum nigrum epidermidem perforantem oblique convergentibus; ascis clavatis, apice tunica crassa integra obtusis, truncatisque, basi breve sed acute attenuatis, 80–90 ≈ 14–16, paraphysibus crasse filiformibus, septatis asco duplo longioribus obvallatis; sporidiis octonis, di-tri-stichis, ægre maturescentibus, botuliformibus, curvis, utrinque rotundatis, 16–20 ≈ 2–3, granulosis, hyalinis, corpusculis spermatioideis botuliformibus copiosissimis, perexilibus, 3–4 ≈ $^1/_2$–$^3/_4$, hyalinis undique obrutis.

Hab. in Alni incanæ et glutinosæ ramis emortuis *a Selva* et *Vittorio*, autumno, 1873–74, rarius.

Obs. Ob sporidia octona majuscula spermatiis obruta a speciebus a cl. Nitschke, Fuckel et Karsten descriptis optime distinguenda. Forte *Cal. consobrina* Karst. Fenn. II. 158 huic magis affinis est, sed secundum descriptionem l. c. ascis duplo brevioribus, et tantum spermatiophoris recedit.

Sect. 2. Hyalosporæ Sacc.

28. **Cryptosporella aurea** (Fckl.) Sacc. *Cryptospora aurea* Fckl. Symb. 193. *Valsa rutila* Tul. *Valsa amygdalina* Cooke.

Hab. in ramulis Carpini Betuli *a Conegliano*, Apr. 1878 (Spegazzini).

Obs. Stroma atque discus amœne crocata. Asci cylindraceo-clavati 150 ≈ 14, p. s. 130 lga., octospori, aparaphysati; sporidia oblique monosticha, oblongo-amygdaliformia 22–25 ≈ 9–10, nubilosu, hyalina.

29. **Cryptosporella hypodermia** (Fr.) Sacc. Mich. I. 30. *Cryptospora hypodermia* (Fr.) Fckl. Symb. Mycol. p. 192. *Sphæria hypodermia* Fr.

Hab. in ramis corticatis Ulmi campestris *a Conegliano*, Nov. 1876.

Obs. Asci cylindraceo-clavati, sessiles, 100-110 ≈ 15–18, aparaphysati, octospori: sporidia cylindraceo-fusoidea v. cylindraceo-clavata, disticha v. oblique monosticha, 35–55 ≈ 6 1/2–8 1/2, nubilosa v. 1-guttulata, hyalina.

30. **Læstadia Veneta** S. & S. Michelia III. pag. 351 ***L. cylindrasca.**

Hab. in foliis languidis Platani orientalis *a Conegliano*, Sept. 1877 (Spegazzini).

Obs. Perithecia diam. 150 micr., ostiolo 30 diam.; contextu laxe parenchymatico fuligineo. Asci cylindracei, 75–80 ≈ 5–6, aparaphysati, octospori. Sporidia monostica, oblongo-limoniiformia, 12–15 ≈ 3–4, 2-guttulata hyalina. A typo præcipue ascis cylindraceis angustis diversa. In forma typica sporidia tandem prope basim (ex interruptione plasmatis) spurie septata fiunt, quo charactere ad *Apiosporam* nutant.

31. **Physalospora minutula** S. & S. Peritheciis hinc inde gregariis, epidermide velatis, punctiformibus, globoso-lenticularibus, 150–160 micr. diam., ostiolo 20 micr. diam. pertuso, vix papillato; perithecii contextu

parenchymatico, atro, coriaceo-membranaceo; ascis cylindraceo-clavatis, 60 ≈ 10–12, breve noduloso-stipitatis, apice tunica integra obtusatis, aparaphysatis, octosporis; sporidiis distichis, ovoideo-navicularibus, 12–16 ≈ 4–6, 1–2-guttatis, hyalinis.

Hab. in caulibus emortuis Euphorbiæ Cyparissiæ *a Conegliano,* Majo 1877, socia *Phoma cyclospora* sp. nov. (forte stat. spermogon. Physalosporæ) sic definienda: Peritheciis lenticularibus, subcutaneis, distincte et firme parenchymaticis, pertusis; spermatiis globulosis v. quandoque obtuse angulosis 1–3-pluriguttatis, 5 $^1/_2$–6 $^1/_2$ micr. diam., hyalinis, basidiis cylindraceis, 5 ≈ 1 $^1/_2$; facillime deciduis fultis.

CERATOSTOMELLA Sacc. nov. gen. Perithecia et asci Ceratostomatis. Sporidia continua, *hyalina.*

32. **Ceratostomella vestita** Sacc. Peritheciis sparsis, subsuperficialibus, globulosis, $^1/_3$–$^1/_2$ mill. diam., pilis tortuosis, septulatis, 200–250 ≈ 3, laxe vestitis, in ostiolum cylindraceum denudatum, perithecium subæquans desinentibus; contextu distincte parenchymatico fuligineo; ascis cylindricis, 50–55 ≈ 4, apice obtusis, breve stipitatis aparaphysatis, octosporis; sporidiis monostichis ellipsoideis, 6 ≈ 3 $^1/_2$–4, sæpe inæquilateralibus, distincte 2–guttulatis, hyalinis.

Hab. in ligno fagineo putri, denigrato, socia *Bispora pusilla* Sacc., *a Selva,* Sept. 1878.

Obs. A *Ceratostomate Notarisii* Sacc. habitu subsimili pluribus notis differt.

33. **Ceratostomella cirrhosa** (Pers.) Sacc. *Sph. cirrhosa* Pers., Curr. Simpl. Sphær. fig. 72, * **C. lejocarpa**: peritheciis laxe gregariis, ligno infossis, globulosis. $^1/_3$ mill. d., nigris, contextu minute parenchymatico, solido, ostiolis cylindricis, exertis, glabris $^1/_2$–$^3/_4$ mill. longis; ascis cylindricis subsessilibus, 75–85 ≈ 6, apice lumine 2–crenulato, rotundatis, aparaphysatis, octosporis; sporidiis oblique monostichis, ovoideo-oblongis utrinque rotundatis, 9–11 ≈ 4 $^1/_2$ 5, nubilosis v. 2–guttulatis, hyalinis (rarissime extra ascos obsolete 1–3–septatis).

Hab. in ligno putri f a g i n e o in sylva *Cansiglio*, Aug. 1878.

Obs. A typo imprimis ostiolis glabris, ascis angustioribus diversa.

34. **Ceratostoma rostratum** (Tode) Fckl. Symb. mycol. p. 127 *Sphæria rostrata* Tode Mekl.

Hab. in ligno f a g i n e o putri in sylva *Cansiglio*, Aug. 1874 et 1878.

Obs. Perithecia subsuperficialia gregaria, globosa $^3/_4$ mill. d. conspicue tuberculata, carbonacea, in ostiolum filiforme 4–5 mill., longum, teres producta. Nucleus plasmate granuloso farcto, sed asci nulli.

Sect. 3. **Phæosporæ** Sacc.

35. **Ustulina vulgaris** Tul., Sacc. Mycol. Ven. pag. 153.

Obs. Ad hanc speciem pertinet, tamquam status conidiophorus, *Corticium* (Coniophora) *puteanum* Sacc. Michelia I. 5. Mycotheca Veneta n. 799. et verisimiliter Friesii Elench. I. 194. Talis status exacte describitur et depingitur a cl. Tul. Carp. II. pag. 23 t. III. fig. 1–6.

36. **Rosellinia protuberans** Karst. Mycol. Fenn. II. 49.

Hab. in ligno putri decorticato C o r n i s a n g u i n e æ in sylva *Montello*, aut. 1877.

Obs. Perithecia gregaria, ligno basi insculpta, amphisphærioidea, initio furfure griseo obducta. Asci cylindrici, 110 ≈ 5–6, p. s. 60–65 ≈ 5–6, apice tunica integra rotundati, pseudoparaphysibus guttulatis obvallati: sporidia oblique monosticha, navicularia, 8–10 ≈ 4–5, utrinque acutiuscula, 2-guttulata, fuliginea.

37. **Rosellinia Desmazierii** (B. & Br.) Sacc. *Sphæria Desmazierii* B. & Br., Cke Hndb. pag. 854. Curr. Simpl. Sph. t. 57. fig. 2.

Hab. in basi putrescente trunci P h i l a d e l p h i c o r o n a r i i, *a Selva*, Sept. 1878.

Obs. I. Magna et nobilis species. Perithecia dense gregaria, usque $1^1/_2$ mill. d. subiculo pannoso-setoso

conidiophoro insidentia. Asci cylindrici prælongi, stipitati, 300 * 10, stipite 80–100 lgo, apice tunica conspicue incrassata rotundati, paraphysibus filiformibus ascos superantibus, guttulatis obvallati, octospori; sporidia laxe recte monosticha, anguste fusoidea, curvula, 38–45 * 8, utrinque obtusiuscule attenuata, regulariter 7–9-guttata, fuliginea. Subiculum sistit *Graphium Desmazierii* nov. spec. sic definiendum: Effusum, setoso–velutinum, fuligineum; stipitibus erectis, 450 * 40, ex hyphis pluribus septulatis fuscis conflatum; hyphis superioribus expanso–paniculatis, ramulosis, subhyalinis, ramulis minute flexuoso-denticulatis conidiophoris; conidiis ovoideis, 3–4 * 2–2$^1/_2$, hyalinis.

Obs. II. Huic speciei ob perithecia grandia et sporidia fusoidea accedit *Rosellinia bunodes* (B. & Br.) Sacc. seu *Sphæria bunodes* B. & Br. Fung. of. Ceyl. n. 1088. pag. 125 t. 8. fig. 38., quæ a *Rosellinia Beccariana* Ces. Not. bot. pag. 12. t. II. fig. A. distingui nequit.

38. **Rosellinia chordicola** Sacc. Peritheciis sparsis, subsuperficialibus globoso-conoideis, $^1/_2$ mill. diam., levibus, nigris, papillatis, circa ostiolum setulis 25-30 * 3, eseptatis, aterrimis ornatis; perithecii contextu parenchymatico fuligineo; ascis cylindricis, 80–90 * 8, apice rotundatis, breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis, ellipsoideis, 8–10 * 6–7, fuligineis, eguttulatis.

Hab. in chorda putrescente dejecta in Horto Patavino, vere 1877.

Obs. A *Rosellinia ambigua* Sacc. peritheciis sparsis duplo majoribus, sporidiis angustioribus, non 2–guttatis, matrice aliena etc. differt.

39. **Rosellinia rhombispora** Sacc. Peritheciis subsuperficialibus, sparsis, globulosis, $^1/_2$ mill. diam., breve papillatis, levibus, carbonaceis, nigris, contextu prosenchymatico fuligineo; ascis... resorptis; sporidiis rhomboideo-limoniiformibus, utrinque acutiusculis, 25 * 16–18, minute (ut videtur) asperulis, crasse 1–guttatis, opace fuligineis.

Hab. in tuberculis putrescentibus erraticis Cyperi esculenti ad ripas fl. Padi prope *Sermide*, in prov. Mantuæ, Majo 1877 (C. MAGNAGUTI-RONDININI).

Obs. Formâ peculiari sporidiorum facile dignoscenda species.

40. **Chætomium calvescens** Sacc. Michelia II. 123.

Hab. in fragmento ligneo abietino *a Conegliano*, æstate 1878 (SPEGAZZINI). *Obs.* Cum speciminibus berolinensibus perfecte quadrat.

41. **Sordaria minima** S. & S. Peritheciis subsuperficialibus e globoso conoideis, 100–150 micr. d., levibus, glabris, nigris, ostiolo obtuse papillato; perithecii contextu tenui, minute areolato, fuliginco; ascis cylindraceis breve stipitatis, apice rotundato-truncatis, 50–58 × 5–6, paraphysibus nullis visis, octosporis; sporidiis oblique monostichis ovoideis v. subellipsoideis, 8 × 4, fuligineis (eguttulatis visis).

Hab. in fimo vaccino in sylva *Cansiglio*, socia *Sporormia fimetaria*, Aug. 1878.

Obs. Minutie peritheciorum sporidiorumque a ceteris speciebus mox dignoscitur.

42. **Sordaria lanuginosa** (Fr.) Sacc. Mich. I. 26. *S. **culmigena** S. & S. Peritheciis sparsis superficialibus, globoso-conoideis, vix 1/3 mill. d., molliter atro-villosis; ascis cylindraceo-clavatis, 180–200 × 25, breve stipitatis, paraphysatis, octosporis; sporidiis monostichis initio lasiosphæriaceis hyalinis, dein ovoideis, 35–40 × 18, 1-guttatis fuligineis, caudâ longissima 80–100 × 4–5 hyalinâ, quandoque 1-septatâ utrinque auctis.

Hab. in culmis Arundinis Donacis putridis *a Conegliano*, Iulio 1878.

Obs. A typo appendiculis sporidiorum plusquam duplo longioribus imprimis differt.

43. **Sordaria fermenti** (Fckl.) Wint. Sord. pag. 21. *S. **phyllogena** Sacc. Peritheciis in pagina inferiore foliorum putridorum gregariis, superficialibus, 1/5 mill. diam., globoso-conoideis, regularibus, levibus, glabrisque; contextu distincte parenchymatico fuligineo; ascis cylindricis, 115–130 × 18, apice lumine 2-foveolato

rotundatis, breve stipitatis, 8sporis: sporidiis globoso-ellipsoideis, 20–22 ≈ 17, initio olivaceis strato angusto mucoso obductis, dein atrofuligineis, crasse 1–guttatis.

Hab. in pag. inf. foliorum putrium Populi albæ *a Vittorio*, Oct. 1877.

Obs. A typo præcipue differt peritheciis regularibus, levibus etc.

44. **Anthostomella Tomicum** (Lév.) Sacc. Fungi Ven. Ser. IV. 1. *Sphæria Tomicum* Lév. Ann. S. N. 1848. pag. 144. Cooke Hndb. pag. 894.

Hab. in foliis putrescentibus Typharum prope Patavium. Martio 1878.

Obs. Perithecia innata, epidermide circum circa nigrificata tecta, ostiolo perforante obtusiusculo. Asci cylindracei, apice rotundati, subsessiles, 100–115 ≈ 15–18, octospori. Sporidia monosticha, ovoideo-oblonga, sæpe inæquilateralia, 15–16 ≈ 8–9, 1–guttata, fuliginea, mutica.

45. **Anthostomella phæosticta** Berk. Sacc., *Sphæria phæosticta* Berk. Cke Hndb. pag. 899, Curr. Simpl. Sph. t. 59. fig. 127. *Leptosphæria phæosticta* Awd. in Mycol. Europ. t. 11. fig. 154.

Hab. in foliis putridis Arundinis Donacis *a Conegliano*, Ian. 1878 (Spegazzini).

Obs. Perithecia minuscula, $^1/_5$ mill. d. globoso-depressa, innata, ostiolo papillato vix erumpente, epidermide circum circa atro-inquinata. Asci cylindracei breve stipitati apice rotundati, 45–60 ≈ 4, paraphysibus filiformibus obvallati, octospori; sporidia oblonga, curvula, utrinque rotundata, 7–8 ≈ $3^1/_2$, sæpe 1–2–guttulata, olivaceo–fusca.

Sect. 4. **Didymosporæ** Sacc.

46. **Amphisphæria ericeti** S. & S. Peritheciis sparsis v. subgregariis, superficialibus, basi ligno insculptis, conoideis, $^1/_3$ mill. diam., quandoque subcompressis, nigris, nitidissimis, ostiolo obtuse rotundato vix pervio;

contextu coriaceo-carbonaceo, denso; ascis cylindraceis, 85–100 ≈ 15, apice, lumine angustato, rotundato, breve crassiuscule stipitatis, paraphysibus filiformibus, sæpe ramulosis obvallatis, octosporis; sporidiis oblique monostichis v. distichis, biconicis, medio constrictis, 18–20 ≈ 7–8, 2- v. indistincte 4-nucleatis, strato mucoso obductis, hyalinis.

Hab. in ramis emortuis Callunæ vulgaris *a Conegliano,* vere 1878 (Spegazzini).

47. **Amphisphæria Passerinii** S. & S. *Lophiostoma angustilabrum* Pass. in herb. Thüm. (*Lophiostomei* n. 4), non B. & Br. Peritheciis sparsis, initio peridermio tumidulo velatis, dein eo secedente superficialibus, ligno nigrificato adnatis, globoso-depressis, majusculis $^1/_2$–$^3/_4$ mill. diam., obtuse papillatis, perforatis, contextu carbonaceo atro; ascis cylindricis deorsum attenuato-stipitatis p. s. 150–180 ≈ 10–11, stipite 50–60 lgo, apice rotundato, obturaculo jodo intense cœrulescente, paraphysibus copiosis guttulatis obvallatis, octosporis; sporidiis monostichis, oblongo-didymis, 22–23 ≈ 8–9, leniter constrictis, initio hyalinis, dein roseo-fuscis, denique fuligineis, 2-guttatis v. 2-nucleatis.

Hab. in ramis emortuis Ulicis europæi *a Parma* ubi legit cl. prof. G. Passerini et ad cl. Thuemen misit.

Obs. Ab *A. pseudo-umbrina* Sacc., *A. Petrucciana* Cald. aliisque affinibus rite diversa.

48. **Didymosphæria diplospora** (Cooke) Sacc. *D. Rubi* Fckl. Symb. 141. (1869). *Sphæria diplospora* Cke in Seem Journ. (1866) t. 45. fig. 7.

Hab. in sarmentis emortuis Rubi fruticosi in sylva *Montello,* aut. 1877.

Obs. Perithecia gregaria innato-erumpentia, globulosa, exquisite papillata, minuta, nigra; asci cylindracei apice rotundati, 100–110 ≈ 10–11, breviter stipitati, octospori; sporidia oblique monosticha ovato-biconica, utrinque acutiuscula, 1-septata, non constricta, 15–20 ≈ 8–10, olivaceo-fuliginea.

49. **Didymosphæria pulchella** S. & S. Peritheciis

globulosis, ultra $1/_2$ mill. diam., papillatis, initio subcutaneis; ascis cylindraceis, 100–150 ≈ 10–13 apice obtusis, lumine truncato minuteque 1-foveolato, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis v. partim distichis, oblongis, constricto-1-septatis, 20 ≈ 8, olivaceo-fuligineis.

Hab. in ramulis sub cortice denigratis Aceris Negundinis *a Conegliano*, vere 1878 (Spegazzini).

Obs. Ab affini *Did. subtecta* (Awd.) certe distinguenda.

50. **Didymosphæria** (Didymella) **exigua** Niessl. N. Kernp. Ser. I. pag. 165.

Hab. in caulibus Verbenæ officinalis & Stenactidis annuæ *a Conegliano*, vere 1877.

Obs. Asci clavati, breve stipitati, apice obtusati, 45–50 ≈ 7–10, parce paraphysati, octospori. Sporidia disticha, fusoidea, constricto-1-septata, recta curvulave, 13–16 ≈ $3^1/_2$–$4^1/_2$, 4-guttulata, v. 2-nucleata, hyalina.

51. **Didymosphæria** (Didymella) **exigua** Niessl N. Kernp. pag. 165. ***D. nemoralis.** Peritheciis in maculis foliorum decoloratis, ochraceo-marginatis, epiphyllis, paucis, globoso-lenticularibus innato-erumpentibus, 90–100 micr. diam. pertusis; ascis cylindraceo-clavatis, apice rotundatis, 50 ≈ 8, paraphysibus filiformibus obvallatis, 8sporis; sporidiis distichis oblongis v. subfusoideis, 12–15 ≈ 4, constricto-1-septatis, quandoque curvulis, hyalinis.

Hab. in foliis languidis Hyperici Androsæmi *a Selva*, aut. 1876.

52. **Didymosphæria** (Didymella) **lophospora** S. & S. Peritheciis dense gregariis, epiphyllis, cuticula velatis, prominulis, globulosis, vix papillatis, $1/_8$ mill. diam., contextu parenchymatico solidiusculo, fuligineo; ascis crasse clavatis, 65–75 ≈ 12, p. s. 50 ≈ 12, deorsum tenuiter stipitatis, paraphysibus filiformibus copiosis obvallatis, octosporis; sporidiis distichis, cylindraceo-fusoideis, 16–17 ≈ 5–6, rectis curvulisve, medio distincte constrictis, 1-septatis, utrinque obtusatis atque appendiculà

obtusâ latiusculâ subpenicillatâ auctis, 4-guttulatis, hyalinis.

Hab. in pagina superiore frondis emortuæ Pteridis aquilinæ prope *Conegliano*, Oct. 1877.

53. **Didymosphæria** (Didymella) **culmigena** Sacc. Peritheciis laxe seriatim gregariis, innato-prominulis, globuloso-lentiformibus, 90–110 micr. diam. poro 20 micr. diam. pertusis, basi sæpe hyphulis ramosis fuligineis cinctis; contextu rufo-fuligineo parenchymatico; ascis cylindraceo-clavatis, 55–65 ✶ 8–10, breviter stipitatis, apice tunica integra rotundatis, paraphysibus crassiusculis (spuriis?) obvallatis, octosporis; sporidiis distichis, fusoideis, curvatis, 15–17 ✶ $3^1/_2$–$4^1/_2$, utrinque acutiusculis, initio varie guttulatis, dein plasmate bipartito spurieque 1–septatis, non constrictis, hyalinis.

Hab. in culmis vaginisque Sorghi *a Selva*, aut. 1873, nec non Triticorum *a Vittorio*, Oct. 1877, *a Conegliano* Aug. 1878, et a *Sermide, Mantova,* Majo 1877 (Com. A. Magnaguti-Rondinini).

Obs. I. Tamquam statum immaturum *Leptosphæriæ culmicolæ* diu habui, sed iterum iterumque observata, ut distinguendam propono.

Obs. II. Didymosphæriæ sporidiis prorsus hyalinis utentes ideoque ad Sphærellas accedentes sub genere proprio (*Didymella*) seponi posse videntur. Huc igitur: *D. effusa* Niessl, *D. cladophila* Niessl, *D. exigua* Niessl. *D. Cadubriæ* Sacc. etc.

54. **Sphærella Zeæ** Sacc. Maculis in foliis adhuc vivis irregularibus arescendo candicantibus, ochraceo-marginatis; peritheciis in media macula gregariis numerosis punctiformibus lenticularibus, pertusis, 120–130 micr. diam.; contextu laxe parenchymatico: ascis cylindraceo-clavatis, deorsum acutatis, apice obtusiusculis, 80 ✶ 14, octosporis, aparaphysatis: sporidiis distichis, oblongo-fusoideis, constricto-1-septatis, curvulis, utrinque obtusiusculis, 20 ✶ 7–8, loculo superiore paulo crassiore, 4– (raro pluri–) guttulatis hyalinis.

Hab. in foliis adhuc vivis Zeæ giganteæ (Caragua) cultæ, *a Vittorio,* Oct. 1877.

Obs. Ascis sporidiisque fere duplo majoribus a *Sphærella Maydis* Pass. recedit. In hac asci 45-55 ✶ $7^1/_2$-$8^1/_2$; sporidia 15–16 ✶ $3^1/_2$–4, medio minus constricta; perithecioruin contextus densius parenchymaticus. *Sphærella paulula* Cke Grev. n. 40 pag. 146 nostris adhuc minor est.

55. **Sphærella nemorosa** S. & S. Maculis in foliis sordide ochraceis, fusco-cinctis, obtuse angulosis; peritheciis epiphyllis paucis, punctiformibus, lenticularibus, 100 micr. diam., poro 25–micr. diam. pertusis; contextu parenchymatico dilute fusco-olivaceo; ascis oblongo-clavatis, 40–45 ✶ 13–14, subsessilibus, apice truncatis, aparaphysatis, octosporis; sporidiis distichis, biconicis, 14 ✶ 5, 1–septatis, non constrictis, 4–guttulatis v. 2–nucleatis, hyalinis.

Hab. in foliis languidis Orobi verni *a Conegliano*, aut. 1877.

56. **Sphærella umbrosa** Sacc. Maculis in foliis arescendo candicantibus, vagis; peritheciis paucis epiphyllis, punctiformibus, lenticularibus, 100 micr, diam., poro pertusis; contextu laxe parenchymatico, ochraceo, ascis cylindraceo-clavatis 40 ✶ 10, breve stipitatis, apice rotundatis, octosporis, aparaphysatis; sporidiis distichis oblongo-fusoideis, rectis, 14–15 ✶ 4, constricto–1–septatis, 2–nucleatis, hyalinis.

Hab. in foliis nondum emortuis Galeopsidis versicoloris *a Selva,* Aug. 1873, sociis spermogoniis *Phyllostictam Galeopsidis* Sacc. (Mich. II. 150) sistentibus.

57. **Sphærella Fagi** Awd. in Mycol. Eur. pag. 6. t. II. fig. 19–20. *Sphærella Atomus* plur. auct. non Dmz.

Hab. in foliorum languidorum Fagi sylvaticæ pagina inferiore prope *Conegliano*, vere 1877 (Spegazzini).

Obs. Perithecia vere punctiformia. Asci cylindracei, 40–45 ✶ 5, subsessiles, apice rotundati; sporidia disticha v. oblique monosticha oblonga, 7–8 ✶ 2–$2^1/_2$, constricto–1–septata, utrinque obtusiuscula, hyalina.

58. **Sphærella Ariadna** Sacc. in Michel. I. 34. ***Tormentillæ.**

Hab. in foliis languidis Tormentillæ erectæ in sylva *Montello*, Aug. 1873.

Obs. Maculæ pallidæ, rufo-cinctæ. A typo vix differt sporidiis curvulis, septo minus constrictis.

59. **Sphærella verna** S. & S. Peritheciis dense et late gregariis, hypophyllis, punctiformibus, lenticularibus. 100 micr. diam., poro pertusis; ascis crasse cylindraceis breve stipitatis, 45–50 ≈ 13, 8sporis; sporidiis oblongo-clavulatis, 22 ≈ 5, lenissime constrictis, hyalinis.

Hab. in pagina inferiore, quæ cinerascit, Forsythiæ viridissimæ *a Conegliano*, Martio 1877 (Spegazzini).

Obs. Subaffinis *Sphærellæ crassæ* Awd.

60. **Sphærella elatior** S. & S. Peritheciis sparsis, hypophyllis, globoso-conoideis, subprominulis, $^1/_5$ mill. diam.: contextu parenchymatico densiusculo, fuligineo; ascis obclavatis, brevissime stipitatis, 80–90 ≈ 23, apice tunica integra obtusatis, aparaphysatis, octosporis; sporidiis distichis et parte inferiore subtristichis oblongis subclavulatisque, 25–30 ≈ 8–9, rectis curvulisve, 1-septatis, vix constrictis, 4-guttulatis, dein 2-nucleatis, hyalinis.

Hab. in pagina inferiore foliorum putrescentium Liriodendri Tulipiferæ *a Conegliano*, vere 1877.

Obs. Ob sporidia et perithecia majuscula ad *Sphærellam Primulæ* Rehm Ascom. n. 295 accedit, sed ceterum differt.

61. **Sphærella Gibelliana** Pass. in Thüm. Diagn. zu Myc. Univ. Cent. IV.–VI. pag. 5.

Hab. in foliis languidis Citri Limonii *a Conegliano,* Majo 1877 (Spegazzini).

Obs. Asci subclavati 40 ≈ 6, breve stipitati, aparaphysati, 8spori. Sporidia oblonga utrinque obtusiuscula, constricto-1-septata, 12 ≈ 3, granulosa hyalina. Perithecia lentiformia, 100–150 micr. diam. poro 10–15 diam. pertusa.

62. **Sphærella collina** S. & S. Peritheciis in foliis totis

dealbatis gregariis amphigenis, sed plerumque epiphyllis; peritheciis innato-erumpentibus, lentiformibus, 200 micr. diam., pertusis, contextu membranaceo exquisite parenchymatico; ascis cylindraceo-clavatis 45–50 ✻ 10–11, brevissime noduloso-stipitatis, aparaphysatis, octosporis; sporidiis distichis, oblongis, 13 ✻ 5, constricto-1-septatis, loculo superiore crassiore, hyalinis.

Hab. in foliis emortuis Loniceræ Xylostei *a Colfosco,* Jan. 1878.

Obs. A *Sph. Clymenia* Sacc. longe diversa.

63. **Sphærella topographica** S. & S. Peritheciis hypophyllis, hinc inde dense disseminatis, punctiformibus, epidermide initio velatis, globoso-lenticularibus, poro pertusis, $^1/_{10}$ mill. d., contextu subcarbonaceo, atro, ascis cylindraceo-clavatis 70–75 ✻ 8–10, breve stipitatis; apice tunica incrassata integra rotundatis, aparaphysatis, octosporis; sporidiis 2–3-stichis, elongato-fusoideis, 28–30 ✻ $3^1/_2$–4, curvulis, 1-septatis vix constrictis, utrinque acutiusculis, hyalinis.

Hab. in foliis languidis Sorbi torminalis, ubi minimas urbium topographias æmulatur, prope *Conegliano,* vere 1878, socia *Septoria hyalospora* (Mont. & C.) Sacc. ejusdem probabili spermogonio.

Obs. A *Sphærella cinerascente* Fuck. valde differt.

64. **Sphærella Pteridis** (Dmz.) DNtrs Sfer. ital. fig. 99. Awd. Sphærell. in Mycol. Europ. p. 19. fig. 82.

Hab. in frondibus emortuis Pteridis aquilinæ *a Conegliano,* Martio 1876.

Obs. Asci crasse cylindracei 55–60 ✻ 10–12, crassiuscule tunicati, inferne abrupte breveque stipitato-nodulosi, aparaphysati. Sporidia 25–30 ✻ 3–4, anguste fusoidea, 1-septata, vix constricta, curvula, minute 4-guttulata, hyalina.

65. **Sphærella sylvatica** S. & S. Maculis in foliis nullis obsoletisve; peritheciis dense et late gregariis, plerumque epiphyllis, lenticularibus, punctiformibus, poro pertusis; ascis cylindraceis breve stipitatis, 50–55 ✻ 10, apice rotundatis, aparaphysatis, 8sporis; sporidiis distichis oblongo-clavulatis, 12–14 ✻ 4, rectis, valde con-

strictis, 1–septatis, loculo superiore crassiore, 2-guttulatis, hyalinis.

Hab. in foliis emortuis Scabiosæ sylvaticæ in collibus *di Conegliano*, aut. 1877.

66. **Sphærella minor** Karst. Mycol. Fenn. II. 171.

Hab. in caulibus putrescentibus Galii sylvatici *a Conegliano*, Majo 1877.

Obs. Asci obclavato-ovoidei, 20–25 ✱ 14, brevissime crasse stipitati, apice breve obtuseque attenuati, 8spori, aparaphysati. Sporidia tristicha, oblongo-clavulata, 8–10 ✱ 3, 1–septata, vix constricta, hyalina.

67. **Sphærella leptasca** Awd. in Mycol. Eur. pag. 15. fig. 64.

Hab. in caulibus putrescentibus Torilis Anthrisci *a Conegliano,* Majo 1877 (Spegazzini).

Obs. Perithecia sparsa, subcutanea, punctiformia, globoso-lenticularia, 80–90 micr. diam., poro pertusa. Asci cylindracei, 40 ✱ 50 ✱ 6, breviter stipitati, aparaphysati, octospori. Sporidia oblique 1–sticha v. 2–sticha, oblongo-fusoidea, constricto–1–septata, 11–12 ✱ $2^1/_2$–3. 4–guttulata, hyalina. Adest simul spermogonium **Septoriam leptideam** Sacc. sistens: peritheciis lenticularibus, ascophoris similibus; spermatiis bacillari–filiformibus, curvulis, 20–22 ✱ 1, continuis, vix guttulatis, hyalinis. Hæc *Septoriæ Nebulæ* Sacc. (Mich. II. 193) affinis, sed certe distinguenda.

68. **Microthyrium microscopicum** Dmz., Sacc. M. V. n. 157. *Sphærella Buxi* Sacc. Mycol. Ven. pag. 93. t. IX. fig. 47.

Hab. in sarmentis corticatis Rubi cæsii *a Conegliano*, Majo 1877 (Spegazzini), in foliis Lauri nobilis, Buxi sempervirentis etc.

Obs. Perithecia dimidiata, scutiformia, margine fimbriata. Asci oblongo-clavati 25–30 ✱ 7–9, subsessiles, apice tunica integra obtusati, octospori, aparaphysati. Sporidia di-tristicha ovato-fusoidea, subinæquilateralia, 8–10 ✱ 3–$3^1/_2$, sæpius 2-guttata, hyalina, tandem infra medium obsolete 1–septata. Rarius asci 4-spori observantur ut in icone. Mycol. Ven. l. c. (sporid. immat.)

69. **Venturia ilicifolia** Cke Hndb. 924. fig. 398.

Hab. in foliis dejectis Ilicis balearicæ in Horto botanico Patavino, Febr. 1878 (SPEGAZZINI).

Obs. Perithecia subsuperficialia globulosa, 90–100 micr. diam., poro pertusa, setulis parvis, 50–60 ≈ 5, fuligineis conspersa. Asci et sporidia nondum evoluta.

70. **Venturia chlorospora** (Ces.) Karst. Sacc. F. V. ser. VI. 33. Observavi formas sequentes, præter formam quercinam l. c. descriptam satis distinctaque.

1. *Salicis vitellinæ:* ascis cylindraceo-obclavatis, subsessilibus, 45–50 ≈ 14–15; sporidiis didymis 15-16 ≈ 6, chlorinis.

2. *Pruni Cerasi:* ascis angustioribus et longioribus 75 ≈ 12, sporidiis 12–14 ≈ 6.

3. *Sorbi aucupariæ:* ascis 50 ≈ 13; sporidiis 12–15 ≈ 5 $^1/_2$–7.

Obs. In caulibus emortuis Equiseti hyemalis cl. SPEGAZZINI *Venturiæ* speciem legit sterilem, quam ad interim **Venturiam ripariam** voco: peritheciis superficialibus, globosis, aterrimis $^1/_{10}$–$^1/_8$ mill. d., subastomis, setulis 40–60 ≈ 3–4 fuligineis laxe vestitis contextu subcarbonaceo, atro.

71. **Gnomonia tetraspora** Wint. in Hedw. 1872.

Hab. in caule putrescente Euphorbiæ Cyparissiæ *a Conegliano,* Majo 1877 (SPEGAZZINI).

Obs. Perithecia ostiolo breve rostellato, parum emergente instructa, 250 diam., contextu tenui-membranaceo olivaceo-fusco, apice densiore. Asci cylindracei, 45–50 ≈ 8, breve stipitati, tetraspori; sporidia oblonga, constricto–1–septata, 14 ≈ 5–6, 4–guttulata, hyalina.

72. **Gnomonia erythrostoma** (Pers.) Awd. in Mycol. Europ. Pyren. p. 26 fig. 127.

Hab. in foliis Pruni Cerasi adhuc pendulis immatura, in putrescentibus maturescens, *a Conegliano* vere et autumno 1878 (SPEGAZZINI).

Obs. Perithecia innato-erumpentia, brevi-rostellata, contextu rufescente, parenchymatico, ostiolo prosenchymatico. Asci cylindracei, 100–110 ≈ 12–15, breviter stipitati, apice lumine bifoveolato, obtusati, aparaphy-

sati, octospori: sporidia disticha, oblongo-cylindracea, utrinque rotundata, infra medium spurie 1-septata, non constricta, 4-guttulata, hyalina.

73. (*) **Diaporthe** (Tetrastagon) **dubia** Nke Pyr. Germ. p. 316.

Hab. in cortice ramulorum Aceris Negundinis *a Conegliano*, aut. 1877 (Spegazzini).

Obs. Perithecia nunc corticolæ, nunc ligno semiinfossa, $1/2$ mill. diam. ostiolo papillato vix excedente; asci fusoidei, basi acutiores, 50–60 ≈ 8–9; sporidia disticha, fusoidea, medio non v. vix constricta, 12–14 ≈ 4–5, 4-guttulata, hyalina. *Diaporthe Lebiseyi* (Dmz.) Niessl Beitr. p. 54 vere diversa est. An *Phoma Lebiseyi* Sacc. huic vel *D. dubiæ* pertineat statuere nequeo.

74. **Diaporthe** (Tetrastagon) **Veneta** S. & S. Stromate ramulos corticatos hinc inde ambiente et varie marmorante, linea stromatica endoxyla nulla; peritheciis cortice nidulantibus, globulosis, $1/4$ mill. diam., ostiolo papillato peridermium vix excedente; ascis fusoideis, aparaphysatis, octosporis; sporidiis distichis, oblongis, 13–17 ≈ 3, constricto-1-septatis, curvulis, 4-guttulatis, hyalinis.

Hab. in ramis corticatis Oleæ europææ *a Conegliano,* Martio 1877.

75. **Diaporthe** (Tetrastagon) **maculosa** S. & S. Stromate hinc inde caules corticatos breviter ambiente, hisque plagulas minutas versiformes, nigras afficiente; peritheciis corticolis globoso-depressis, $1/3$–$1/4$ mill. diam., linea nigra stromatica circumdatis; ostiolis breve rostellatis; ascis crasse fusoideis, 40–45 ≈ 10–12, apice obtusiore, lumineque 2-foveolato, aparaphysatis, 8sporis; sporidiis 2–3-stichis, oblongo-fusoideis, rectis, 10–11 ≈ 3–4, 4-guttulatis, spurie 1-septatis, non constrictis, hyalinis.

Hab. in caulibus emortuis Rumicis obtusifolii,

(*) Hujus generis species jam numerosissimæ et in diem novis inventis continuo crescentes epicrisi nova et comparata maxime egent, qua peracta, earum numerus facile contrahi poterit. Interea formas distinguendas esse quam confundendas tutius existimavi.

a Conegliano, vere 1877. *Obs.* Stromate crebre et parvi-maculoso species facile dignoscenda.

76. **Diaporthe** (Tetrastagon) **insignis** Fckl. Symb. App. II. 36.

Hab. in cortice sarmentorum Rubi idæi *a Susegana*, Martio 1877 (Spegazzini) — *Obs.* Perithecia gregaria, corticolæ, ostiolo vix excedente, globulosa, epidermide hinc inde denigrata lineisque stromaticis nigris in peridermii superficie (vix per lignum) tortuose excurrentibus circumscripta. Asci fusoidei, 50 ≈ 7–8; sporidia fusoidea, utrinque mutica et obtusiuscula non v. vix constricta, 12–14 ≈ 3 $^1/_2$–4, 4-guttulata, hyalina. — *D. simulans* Sacc. F. V. IV. 11 peritheciis endoxylis præcipue differt.

77. **Diaporthe** (Tetrastagon) **Sophoræ** Sacc. F. Ven. Ser. V. 202 (St. spermog.).

Status ascophorus: Stromate ramos corticatos late ambiente coloreque nigro et cinereo inficiente, linea nigra intra lignum excurrente limitato, peritheciis gregariis, globulosis $^1/_3$ mill. diam., cortice nidulantibus, ostiolis peridermium parum excedentibus obtusiusculis; ascis fusoideis, 50–60 ≈ 8–10, aparaphysatis, 8sporis; sporidiis distichis v. oblique monostichis, fusoideis, 12–15 ≈ 5–6, constricto–1–septatis, 4–guttulatis, hyalinis.

Hab. in ramulis Sophoræ japonicæ *a Conegliano*, aut. 1877.

Obs. Status spermogonicus hujus speciei adest in Rabh. F. E. sub n. 2017 tamquam *Sphæriæ controversæ* Dmz. pertinens; sed hæc species, ut monuit cl. Ntschke, collectiva est ejusque forma primaria servanda est *Diap. controversa* (Dmz. p. p.) Nke in Fraxino excelsiore. Cfr. Fckl Symb. App. I. 31.

78. **Diaporthe** (Tetrastagon) **Spina** Fckl. Symb. mycol. 210 t. IV fig. 44.

Hab. in ramis corticatis Salicis capreæ *a Selva*, Aug. 1877.

Obs. Perithecia cortice vix mutato gregarie nidulantia, ergo species in subg. *Tetrastagon* nec *Euporthe* ut refert Fckl l. c. collocanda. Ostiola peridermium per-

forantia, et spinulose excedentia; asci crasse fusoidei, 35–40 ≈ 15–16, deorsum acutiores, lumine apice 2-foveolato, aparaphysati, octospori, sporidia tristicha cylindraceo-fusoidea utrinque rotundata, 20 ≈ 3–4, quadriguttulata, medio denique subconstricta atque 1-septata.

79. **Diaporthe** (Tetrastagon) **occidentalis** S. & S. Stromate ramos corticatos late ambiente et parum infuscante intra lignum linea nigra flexuosa limitato; peritheciis gregariis globulosis cortice nidulantibus, v. ligno basi infossis, $^1/_2$ mill. et ultra diam., ostiolis longiusculis, flexuosis, peridermium excedentibus; ascis clavato-fusoideis, 45-55 ≈ 7-8, aparaphysatis, octosporis; sporidiis distichis, v. oblique monostichis, 12–14 ≈ 3–4, ovato–oblongis, medio conspicue constrictis, septatisque, utrinque obtusiusculis, 4–guttulatis, hyalinis.

Hab. in ramis corticatis Gleditschiæ Triacanthi *a Conegliano*, Febr. 1877.

80. **Diaporthe** (Tetrastagon) **spissa** S. & S. Stromate obsoleto nullove; peritheciis dense gregariis, corticolis, globulosis, $^1/_3$ mill. diam., ostiolis breve excedentibus, rostellatis; ascis fusoideis, utrinque obtusiusculis, 40–45 ≈ 7–8, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis curvulis, 10–11 ≈ 3 $^1/_2$, medio constrictis, utrinque obtusiusculis, 4-guttulatis, hyalinis.

Hab. in ramulis junioribus Catalpæ syringifoliæ *a Conegliano*, vere 1877.

81. **Diaporthe** (Tetrastagon) **mazzantioides** S. & S. Stromate cauli corticato plagulas minutas nigricantes hinc inde afficiente sed vix penetrante; peritheciis in quaque plagula paucis, subcutaneis, prominentibus, globosis, $^1/_3$ mill. diam. papillatis; ascis fusoideo-clavatis, basi acutioribus, 50–60 ≈ 7–8, lumine apice 2-foveolato, aparaphysatis, octosporis; sporidiis distichis, fusoideis, utrinque obtusiusculis, 10–12 ≈ 3–3 $^1/_2$, sæpius curvulis, 4–guttulatis, spurie 1–septatis, non v. vix constrictis, hyalinis.

Hab. in caule Galii sylvatici *a Conegliano*, vere 1877.

Obs. Habitu *Mazzantiam Galii* (Guep.) Mtgn æmulatur, sed pluribus notis diversa.

82. **Diaporthe** (Tetrastagon) **nobilis** S. & S. Stromate ramos corticatos late ambiente et infuscante, linea nigra tortuosa intra lignum limitato; peritheciis gregariis, majusculis corticolis, $^3/_4$ mill. diam., ostiolo vix emergente papillato; ascis clavato-fusoideis, utrinque obtusiusculis, 50 ✱ 7, aparaphysatis, 8sporis; sporidiis oblique 1–stichis, fusoideis, rectis, constricto–1–septatis, 13–16 ✱ 4, 4-guttatis, hyalinis, initio appendiculà utrinque auctis.

Hab. in ramis corticatis Lauri nobilis *a Conegliano*, aut. 1877.

83. **Diaporthe** (Tetrastagon) **sarmenticia** Sacc. Stromate caules late ambiente, at superficie vix manifesto, intra lignum vero zona nigra tortuosa excurrente circumscripto; peritheciis gregariis, globosis, $^1/_3$ mill. diam., in cortice nidulantibus v. basi ligno insculptis ostiolis epidermidem nonnihil excedentibus; ascis oblongo–fusoideis, 45 ✱ 7-8, utrinque obtusiusculis, aparaphysatis, octosporis; sporidiis inordinate distichis, oblongis, 10 ✱ 4–5, constricto–1–septatis, utrinque subacutis, 4-guttulatis, hyalinis, strato mucoso initio obvolutis.

Hab. in sarmentis emortuis Humuli Lupuli *a Selva*, Apr. 1874 et Oct. 1877.

84. **Diaporthe** (Tetrastagon) **oblita** S. & S. Stromate ramos corticatos varie ambiente et nonnumquam infuscante, linea stromatica infra vix limitato; peritheciis corticolis, basi vero ligno infossis, globulosis. $^1/_4$ mill. diam., ostiolis breve rostellatis, parum excedentibus; ascis fusoideis deorsum acutioribus, 45–50 ✱ 8, aparaphysatis, octosporis; sporidiis fusoideis, utrinque obtusiusculis 12–14 ✱ 4–5, rectis, 1–septatis, leniter constrictis, 4–guttulatis, hyalinis.

Hab. in ramis corticatis Artemìsiæ camphoratæ *a Colfosco*, Aprili 1877, rarius.

85. **Diaporthe** (Tetrastagon) **rostellata** (Fr.) Nke, Sacc. Mycol. Ven. pag. 139.

Hab. In sarmentis Rubi fruticosi *a Padova, a*

Selva, Aug. 1875, et *a Conegliano*, vere 1878 (C. SPEGAZZINI).

Obs. Perithecia subcutanea, stromate nullo limitata, ostiolo rostellato rectiusculo et solidiusculo emergente. Asci fusoidei, basi acutiores, 55 ≈ 6–6 $^1/_2$. Sporidia disticha, fusoidea, curvula 13–15 ≈ 3 $^1/_2$–4, medio non v. lenissime constricta, 4-guttata, hyalina, utrinque setulâ obliquâ 5–6 lgâ aucta.

86. **Diaporthe** (Tetrastagon) **aggerum** S. & S. Stromate ramulos corticatos hinc inde ambiente et superficie nigrificante; peritheciis gregariis globulosis, $^1/_3$ mill. diam., cortice nidulantibus, ostiolo breve papillato, epidermidem parum excedente; ascis fusoideis, utrinque obtusiusculis, 50–60 ≈ 7, aparaphysatis, octosporis; sporidiis distichis fusoideis, sæpe curvulis, medio constricto-septatis, 14–16 ≈ 3–4, 4-guttulatis, hyalinis.

Hab. in caulibus Loti corniculati *a Conegliano*, aut. 1877.

87. **Diaporthe** (Euporthe) **meridionalis** Sacc. Stromate ramos corticatos varie ambiente, lineaque tortuosa nigra per lignum excurrente limitato; peritheciis globulosis, ligno infossis, $^3/_4$ mill. diam., ostiolo peridermium perforante vix emergente; ascis fusoideis, 55 ≈ 10, aparaphysatis, octosporis; sporidiis distichis oblongo-fusoideis, medio leniter constrictis, 15 ≈ 4 $^1/_2$–5, 1-septatis, 4-guttulatis, hyalinis.

Hab. in ramis Paliuri aculeati *a Montebelluna*, Oct. 1874.

88. **Diaporthe** (Euporthe) **minuscula** S. & S. Stromate longe et late caules decorticatos ambiente eosque superficie atro-inquinante; peritheciis globosis, $^1/_4$ mill. diam., ligno infossis, ostiolo perforante breveque exerto; ascis fusoideis, 45 ≈ 7–8, aparaphysatis, octosporis; sporidiis fusoideis, constricto-1-septatis, 13–15 ≈ 3–4, 4-guttulatis, hyalinis.

Hab. in caule Campanulæ Trachelii putrescente *a Conegliano*, aut. 1877.

Obs. A *Diap. Tulasnei.* Nke ostiolis breve exertis præcipue recedit.

89. **Diaporthe** (Euporthe) **Castrensis** S. & S. Stromate ramulos decorticatos longe lateque ambiente et superficie atroinquinante; peritheciis globulosis $^1/_3$ mill. diam., ligno infossis, gregariis, ostiolis nunc punctiformibus nunc breve exertis; ascis fusoideis 60–70 ✶ 10, aparaphysatis, octosporis; sporidiis distichis, fusoideis, 1-septatis, lenissime constrictis, 15–17 ✶ 3 $^1/_2$–4 $^1/_2$, 4-guttulatis, hyalinis.

Hab. in ramulis Capparidis rupestris ad castrum *S. Salvadore a Susegana*, Dec. 1877. — *Obs. Diaporthi pullæ* Nke affinis.

90. **Diaporthe** (Euporthe) **petiolorum** S. & S. Stromate petiolis plagulas oblongas nigras hinc inde afficiente, lineaque nigra intus limitato; peritheciis ligno infossis, gregariis, globulosis, $^1/_3$ mill. diam., ostiolo cylindraceo perforante et parum exerto; ascis fusoideis, 50–55 ✶ 6–7, aparaphysatis, octosporis; sporidiis distichis, oblongis, 12–14 ✶ 3–3$^1/_2$, constricto–1–septatis, 2–4–guttulatis, hyalinis.

Hab. in petiolis languidis Catalpæ syringifoliæ *a Conegliano,* Junio 1877.

91. **Diaporthe** (Euporthe) **inquilina** (Wallr.) Nke Pyr. germ. pag. 272.

Hab. in caule languente Heraclei Sphondylii *a Conegliano* Februario 1877. (Spegazzini).

Obs. Stroma hinc inde plagulas oblongas nigro-nitentes sistens. Perithecia gregaria, globoso-depressa, infossa, ostiolis spinulosis, emergentibus. Asci fusoidei, 35–40 ✶ 6–7, 8spori; sporidia fusoidea, constricto–1–septata, 10 ✶ 3, 4–guttulata, hyalina.

92. **Diaporthe** (Euporthe) **Arctii** (Lasch) Nke, Sacc. Mycol. Ven. 211.

α **Lapparum**: ascis fusoideis 45–50 ✶ 10–11; sporidiis oblongo-fusoideis, 1–septatis, lenissime constrictis, 12–14 ✶ 4, 4–guttulatis, hyalinis. — In caule Lapparum *a Selva,* Sept. 1873.

β **Centaureæ Scabiosæ**: ascis 50 ✶ 8–10; sporidiis, 10 ✶ 3$^1/_2$, medio non v. lenissime constrictis. — In caule ejusdem *a Susegana* (Spegazzini).

93. **Diaporthe** (Euporthe) **pratensis** S. & S. Stromate caules corticatos v. decorticatos late ambiente et atroinquinante; peritheciis ligno immersis, globulosis $^1/_3$–$^1/_2$ mill. diam., laxe gregariis, ostiolis cylindraceis, nunc vix, nunc breve emergentibus; ascis clavato-fusoideis, apice obusioribus, 35–40 ≈ $6^1/_2$–$7^1/_2$, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, ovato-oblongis, 14–15 ≈ 3–4, constricto-1-septatis, utrinque obtusiusculis, 4-guttulatis, hyalinis.

Hab. in caulibus languidis Medicaginis lupulinæ, *a Conegliano,* Majo 1877.

94. **Diaporthe** (Euporthe) **Neapolitana** Sacc. Stromate longe et late ramulos decorticatos ambiente et superficie atro-inquinante; peritheciis gregariis, ligno infossis, globoso-depressis, $^1/_2$ mill. diam., ostiolis conico-cylindraceis, $^1/_2$ mill. longis, emergentibus, apice obtusiusculis; ascis fusoideis, deorsum acutioribus, 50–60 ≈ 10–12, aparaphysatis, octosporis; sporidiis distichis, oblongo-fusoideis, medio constrictis, 12–15 ≈ 3–$4^1/_2$, utrinque obtusiusculis, 4-guttulatis, hyalinis.

Hab. in ramis emortuis Mesembryanthemi acinacifolii in collibus *di Posilippo* prope Neapolim, Julio 1877 (Com. A. Magnaguti-Rondinini).

95. **Diaporthe** (Euporthe) **scandens** S. & S. Stromate caules arcte corticatos late ambiente, superficiemque nitide nigrificante; peritheciis ligno intus dealbato lineolaque nigra circumscripto infossis, globulosis, $^1/_4$–$^1/_3$ mill. d., ostiolis cylindraceis, rostellatis, $^1/_3$–$^1/_2$ mill. extantibus; ascis fusoideo-clavatis, 40–50 ≈ 6–$6^1/_2$, sessilibus, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis oblongo-fusoideis utrinque obtusiusculis, constricto-1-septatis, 4-guttulatis, hyalinis.

Hab. in sarmentis Tami communis putrescentibus *a Colfosco,* vere 1878.

96. **Diaporthe** (Euporthe) **culta** S. & S. Stromate ramos primo corticatos late ambiente, dein cortice secesso, ligni superficiem infuscante v. nigrificante; peritheciis ligno, lineola nigra obsoleta circumscripto, infossis, globulosis, $^1/_3$ mill. d. ostiolis cylindraceis peridermium

primo perforantibus, parumque excedentibus: ascis cylindraceo–fusoideis, obtusiusculis, 40–50 ≈ 5, aparaphysatis, octosporis: sporidiis distichis oblongis, constricto –1–septatis, utrinque acutiusculis, 4–guttulatis, hyalinis.

Hab. in sarmentis emortuis Jasmini officinalis in hortis *a Selva*, Sept. 1878.

97. **Diaporthe** (Euporthe) **Tulasnei** Nke Pyr. Germ. p. 274. Sacc. M. V. Specim. pag. 142.

Hab. in caulibus Lamii Orvalæ, Urticæ dioicæ, Hesperidis matronalis, Scrophulariæ caninæ *a Selva, Colfosco, Serravalle*, Aut 1874–77.

Obs. Stroma caules decorticatos hinc inde late ambiens et superficiem nitide nigrificans. Perithecia ligno infossa, subgregaria, globosa, ostiolis vix excedentibus, rotundatis. Asci fusoidei, apice lumine 2–foveolato, 55–60 ≈ 8–10. Sporidia fusoidea, constricto –1–septata, curvula, utrinque obtusiuscula, 4–guttulata, hyalina, 13–15 ≈ $3^1/_2$–4.

98. **Diaporthe** (Euporthe) **Aucubæ** Sacc. F. Ven. ser. V. 201 (Status spermogonicus).

Status ascophorus: stromate ramulos, cortice relaxato, hinc inde ambiente, lineaque nigra in ligni superficie et profunditate excurrente limitato; peritheciis globulosis, gregariis, $^1/_3$ mill. diam., ligno infossis, ostioloque vix emergente; ascis fusoideis, 45–48 ≈ 7–8, aparaphysatis, octosporis; sporidiis distichis, oblongo–fusoideis, 14–16 ≈ 3–$3^1/_2$, constricto –1–septatis, 4–guttulatis, hyalinis.

Hab. in ramis emortuis Aucubæ japonicæ *a Susegana*, socia *Phoma*, Januario 1877 (Spegazzini).

99. **Diaporthe** (Euporthe) **gloriosa** S. & S. Stromate foliorum superficiei plagulas oblongas vel irregulares, parvas, atronitentes hinc inde afficiente; peritheciis parenchymate infossis, $^1/_3$ mill. diam., globosis, ostiolo acutiusculo parum excedente: ascis clavato-fusoideis 50 ≈ 8–10, apice lumine bi-foveolato, aparaphysatis, octosporis; sporidiis distichis rectiusculis, oblongo-fusoideis, 12–15 ≈ 3–4, medio constrictis, obsoleteque septatis, 4–guttulatis, hyalinis.

Hab. in foliis languidis Yuccæ gloriosæ, *a Conegliano*, autumno 1877, rarius.

100. **Diaporthe** (Euporthe) **indica** S. & S. Stromate caules corticatos late ambiente atque parum infuscante, linea nigra per lignum flexuose excurrente limitato; peritheciis ligno infossis, globulosis, vix $^1/_2$ mill. diam., ostiolis corticem perforantibus, parumque excedentibus; ascis fusoideis, 45–50 ≈ 8–9, aparaphysatis, octosporis; sporidiis distichis, oblongis, 14–15 ≈ 4, utrinque obtusiusculis, constricto-1-septatis, 2–4-guttulatis, hyalinis.

Hab. in caulibus emortuis Tagetum hortensium *a Conegliano*, Oct. 1877.

Obs. Species *Diaporthi Arctii* (Lasch) Nke affinis.

101. **Diaporthe** (Euporthe) **abdita** S. & S. Stromate ramos corticatos late ambiente et superficiem parum infuscante, linea nigra tortuosa per lignum immutatum excurrente limitato; peritheciis ligno immersis, globulosis, majusculis, $^1/_2$ mill. diam., ostiolis peridermium perforantibus et vix superantibus, obtusis; ascis clavato-cylindraceis, 70–80 ≈ 10, apice rotundatis, breve crasseque stipitatis, aparaphysatis, octosporis; sporidiis distichis oblongo-didymis, 15 ≈ 5, utrinque obtusiusculis, 4-guttulatis, hyalinis.

Hab. in ramis emortuis Meliæ Azedarach, *a Susegana*, vere 1877–78.

102. **Diaporthe** (Euporthe) **orientalis** S. & S. Stromate ramos corticatos decorticatosque late ambiente, eosque varie infuscante, linea nigra per lignum varie excurrente limitato; peritheciis gregariis, ligno immersis, $^1/_4$ mill. diam., globulosis, ostiolo apice rotundato, vix emergente; ascis fusoideis, apice obtusioribus, 45–50 ≈ 7, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis, 15–17 ≈ $2^1/_2$–3, medio constrictis, 1-septatis, 4-guttulatis, septulis spuriis 2 accedentibus, hyalinis.

Hab. in ramis emortuis Mori albæ *a Susegana*, Jan. 1877.

103. **Diaporthe** (Sclerostroma) **Niesslii** Sacc. Acervulis gregariis cortice nidulantibus, intus et extus nigris

disco subcirculari, ostiolis numerosis parum emergentibus punctulato, epidermide rupta arcte cincto; peritheciis minutis $^1/_3$ mill. diam., monostichis, globulosis, nigris intus et extus collis cylindraceis convergentibus, zona, stromatica nigra per corticem et lignum excurrente, acervulos varie circumscribente; ascis fusoideis, subsessilibus, 70–75 ≈ 8–10, lumine apice bifoveolato, octosporis, aparaphysatis; sporidiis distichis v. oblique monostichis, fusoideis, rectis curvulisve, 15 ≈ 3–4, utrinque acutiusculis, 4-guttatis, simulateque 1–(v. raro 3–) septatis, non v. lenissime medio constrictis.

Hab. in cortice ramorum majorum Aceris Pseudoplatani *a Feletto* Jan. 1878 (Spegazzini), in Styria (G. v. Niessl, nomine ?*Cryptosporæ Hystricis* Fckl).

Obs. A *Diaporthe Hystrice* (Tode?) Sacc. F. V. ser. IV. 6, sporidiis muticis, a *Cryptosp. Hystrice* Fckl. sporidiis brevioribus et crassioribus, ostiolisque curtis, et a *Mamiania Hystrice* DNtrs sporidiis utrinque attenuatis nec rotundatis præ ceteris diversa.

104. **Diaporthe** (Sclerostroma) **Hystricula** S. & S. Stromate nullo manifesto; peritheciis hinc inde in acervulos minutos aggregatis v. subsparsis, cortice nidulantibus, globulosis, $^1/_2$ mill. diam. nigris, peridermio secedenti adhærentibus et basi dein cupulato–collapsis, ostiolis peridermium fasciculatim perforantibus, capillaceis, $^1/_2$ mill. lgs.; contextu perithecii distincte parenchymatico rufo-fuligineo; ascis fusoideis, utrinque acutis, 40–45 ≈ 6–7, lumine bifoveolato, aparaphysatis, octosporis; sporidiis oblique monostichis v. distichis, fusoideis rectiusculis, spurie 1–septatis, 4–(v. pluri–) guttulatis, 12–14 ≈ $2^1/_2$, hyalinis, initio utrinque appendiculatis, dein muticis.

Hab. in cortice Aceris campestris ramorum, *a Conegliano*, Martio 1877 (Spegazzini).

Obs. Species prædistincta, nonnullis notis *Gnomoniis* affinis. Ad sectionem *Tetrastagon* ob perithecia sæpe sparsa pari fere jure duci potest. Linea stromatica semper deest ut in *Diap. rostellata* (Fr.) Nke.

105. **Valsaria Saccardiana** Speg. in litt. Stromate lignum decorticatum late ambiente atque superficie atro-inquinante: peritheciis gregariis, ligno infossis, globosis, $^3/_4$ mill. diam., ostiolo rotundato, pertuso vix emergente; ascis cylindricis, noduloso-stipitatis, apice, lumine integro, obtusiusculis, p. s. 120–140 ≈ 7–8, stipite 50 ≈ 5–6, pseudoparaphysibus guttulatis obvallatis, octosporis; sporidiis monostichis oblongis, subfusoideis, 18–22 ≈ 5–6, constricto–1–septatis, utrinque obtusiusculis, 2– v. sæpius 4–nucleatis, indeque simulate 3–septatis, dilute olivaceis.

Hab. in ligno putri Lauri nobilis *a Susegana,* vere 1877 (SPEGAZZINI).

Obs. A *Vals. anserina* (Pers.) Sacc. F. Ven. IV. pag. 19, cui affinis, ascis conspicue longioribus, sporidiis longioribus, angustioribus, 4–nucleatis, dilute coloratis differt.

Sect. 5. **Phragmosporæ** Sacc.

106. **Leptosphæria heterospora** (DNtrs) Niessl Beitr. 23. *Sphæria* heterospora DNtrs Sfer. ital, n. 65.

Hab. rhizomatibus nondum emortuis Isidis germanicæ *a Conegliano* aut. 1877.

Obs. Perithecia innato–erumpentia, ostiolo conoideo longiusculo. Ascos jam resorptos inveni. Sporidia fusoidea, curvula, utrinque obtusa, 35 ≈ 12–13, 3–septata, ad septum medium constricta, fuliginea, loculis 2 intermediis saturatioribus.

107. **Leptosphæria massariella** S. & S. Peritheciis gregariis cortice nidulantibus, globulosis, $^1/_3$ mill. d., coriaceo-membranaceis, nigris, ostiolo breve papillato vix erumpente; ascis cylindricis 130–150 ≈ 9–12, apice tunica integra rontundatis, breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblongis, rectis, 20 ≈ 8, utrinque obtusissime rotundatis, 3–septatis, ad septum medium constrictis, minute guttulatis, lutescenti-fuligineis, tandem ex ostiolo

protrusis, matricemque circumcirca pulveraceo-atro-inquinantibus.

Hab. in ramulis Ulmi campestris emortuis *a Conegliano*, æstate 1878.

Obs. Generi Massariæ quoque affinis, sed sporidia muco absolute destituta.

108. **Leptosphæria massarioides** S. & S. Peritheciis sparsis, innato-erumpentibus, globulosis, acute papillatis, $^1/_4$ mill. diam., atronitidulis; ascis cylindraceo-clavatis, 150–180 ≈ 30–35, brevissime noduloso-stipitatis, apice, lumine obsolete 1-foveolato, rotundatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis oblique monostichis v. distichis cylindraceo-oblongis, utrinque præcipue apice obtusiusculis, 40–55 ≈ 15–17, curvulis, 7-septatis, ad septa constrictis, loculis 1- (rarius 2-) grosse-guttulatis, flavo-fuligineis.

Hab. in caulibus putrescentibus superficie denigratis Heraclei Sphondylii *a Conegliano*, Oct. 1877.

Obs. Sporidiis magnis *Leptosphæriæ littorali* Sacc. paululum accedit, a qua et matrice denigrata differt.

109. **Leptosphæria pyrenopezizoides** S. & S. Peritheciis sparsis erumpenti-superficialibus, globuloso-depressis, $^1/_6$ mill. diam., papillulatis, denique cupulato-collapsis, nigris; contextu laxe parenchymatico, olivaceo-fusco, circa ostiolum 10 micr. latum densiore; ascis cylindraceo-clavatis, 70–75 ≈ 8, brevissime noduloso-stipitatis, apice, lumine coarctato, subtruncatis, octosporis; sporidiis subdistichis, fusoideis, curvulis, 20–25 ≈ 4, loculo secundo leniter incrassato, dilute flavis.

Hab. in sarmentis putrescentibus Clematidis Vitalbæ, *a Conegliano*, Majo 1877.

Obs. *Leptosphæriæ rubicundæ* Rehm affinis etiam ob matricem quandoque leniter cruentatam; sed peritheciis dein cupulatis &c. differt.

110. **Leptosphæria Cumana** S. & S. Maculis nullis; peritheciis laxe seriatis, innatis, vix erumpentibus, globoso-depressis, $^1/_5$ circ. mill. diam., pertusis; contextu parenchymatico fuligineo; ascis oblongo-cylin-

draceis, subsessilibus, 60–70 ≈ 12–15, apice, tunica integra, rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis subtristichis, fusoideis, curvulis, 20–22 ≈ 5, 3–septatis ad septa leniter constrictis, 4– (v. pluri–) guttulatis, hyalinis.

Hab. in foliis emortuis Caricum *a Conegliano,* Majo 1877.

Obs. Subaffinis *Lept. Luzulæ* Wint. et *L. Typharum* Karst.

111. **Leptosphæria anarithmoides** S. & S. Peritheciis laxe gregariis innatis, depresso-globulosis, nigris, diam. $^1/_8$–$^1/_6$ mill., ostiolo vix papillato erumpente; contextu perithecii parenchymatico, fuligineo: ascis cylindraceo-clavatis, 80–90 ≈ 15–20, breve noduloso-stipitatis, apice rotundatis, paraphysibus filiformibus septulatis obvallatis, octosporis; sporidiis distichis, oblongo-fusoideis, 20–25 ≈ 7–8, utrinque obtusiusculis, curvulis, medio constrictis, 1–septatis, 4–nucleatis (verisimiliter denique 3–septatis) hyalinis.

Hab. in foliis putrescentibus graminum (Poæ?) *a Conegliano,* vere 1878.

Obs. Peraffinis *Leptosphæriæ anarithmæ* Sacc. F. Ven. Ser. V. pag. 175 sub Sphærella, an B. & Br., a qua peritheciis majoribus, sporidiis crassioribus et brevioribus satis differre videtur.

112. **Leptosphæria anarithma** (B. & Br.?) Sacc. *Sphærella anarithma* Sacc. F. Ven. Ser. V. pag. 175, Cke Hndb. pag. 920?

Hab. in foliis exsiccatis Airæ cæspitosæ in *S. Montello,* Sept. 1873.

Obs. Perithecia globoso-lenticularia, $^1/_{12}$ mill. d., pertusa. Asci cylindracei, brevissime stipitati, 90 ≈ 15, apice rotundati, paraphysati, octospori. Sporidia disticha, anguste fusiformia, 25–28 ≈ 5–6$^1/_2$, curvula, medio subconstricta, 4–guttulata 1– (an tandem 3–) septata, hyalina.

113. **Leptosphæria hiemalis** S. & S. Peritheciis sparsis globoso-depressis, $^1/_5$–$^1/_4$ mill. d., innato-erumpentibus, ostiolo breve conoideo: contextu dense paren-

chymatico, subcarbonaceo, atro: ascis cylindraceo-clavatis, 100–110 ✶ 15, apice rotundatis, breve stipitatis paraphysibus filiformibus guttulatis obvallatis: sporidiis distichis, oblongo-fusoideis, 25–26 ✶ 7, rectis curvulisve, utrinque obtuse acutatis, 3–septatis (raro 4–5–septatis) ad septum medium leniter constrictis, crasse 4–6–guttulatis, dilute cinereo-fuscis.

Hab. in caulibus Equiseti hiemalis putrescentibus, *a Conegliano,* Martio 1878.

Obs. Cum *Lept. Equiseti* Karst. Spetsb. pag. 101 nil commune habet.

114. **Leptosphæria anthophila** S. & S. Peritheciis sparsis gregariisve, subsuperficialibus, globoso-conoideis, papillatis, nigris, $^1/_3$ mill. d.; contextu parenchymatico circa ostiolum densiore, fuligineo; ascis cylindraceo-clavatis, 100 ✶ 12–13, apice rotundatis, brevi-stipitatis, paraphysatis, octosporis; sporidiis distichis fusoideis, rectis curvulisve, 23–26 ✶ 5–6, 3–septatis ad septa leniter constrictis, loculo secundo vix protuberante, melleis.

Hab. in inferiore parte anthodii secedentis putrescentis Carlinæ acaulis in sylva *Cansiglio,* Aug. 1878.

115. **Leptosphæria modesta** (Dmz.) Awd., Sacc. F. ital. t. 291. Cfr. quoque Michelia pag. 37. et 343., Mycoth. Ven. Cent. XIV.

Hab. in caulibus putrescentibus Digitalis grandifloræ in sylva *Cansiglio,* Aug. 1878.

Obs. Perithecia globoso-conoidea, ostiolo setoso, denique umbilicata. Asci et sporidia ut l. c. descripsi.

116. **Leptosphæria helminthospora** (Ces.) DNtrs Sfer. ital. n. 88., non Fckl. quæ *Lept. Artemisiæ* (Fckl.) Awd.

Hab. in caulibus emortuis Inulæ chrythmoidis prope *Caorle* in littore veneto, Iunio 1878 (Spegazzini).

Obs. Perithecia gregaria, initio epidermide velata, globoso-depressa, papillata, $^1/_5$ mill. d. atro-nitidula. Asci clavati, 85–90 ✶ 8–10, breve crassiuscule stipi-

tati, apice rotundati paraphysati, octospori. Sporidia disticha cylindraceo-clavulata, apice rotundata, deorsum acutiora, 20–25 = 5–6, inæqualiter 6–8–locularia, ad septa constricta, dilute olivacea.

117. **Leptosphæria carpophila** Sacc. Fungi Ven. Ser. II. pag. 313. ***L. bractearum**. Peritheciis innato–prominulis, globulosis, vix papillatis, dein depressis; ascis cylindraceo–clavatis, 80–85 = 10–12, breve stipitatis, apice rotundatis, paraphysatis, 8sporis; sporidiis distichis v. oblique monostichis fusoideis, curvulis, 18–20 = 5, 3–septatis leniter constrictis, guttulatis, flavis.

Hab. in bracteis capitulorum Dipsaci sylvestris putrescentium, *a Conegliano* aut. 1877.

Obs. A forma typica peritheciis magis depressis, sporidiis (saltem initio) flavis differt.

118. **Leptosphæria sicula** Sacc. & Beltr. Peritheciis inter fibras innato–erumpentibus, gregariis, globoso–depressis, $^1/_2$ mill. diam. ostiolo breve papillato, dein umbilicato–collapsis; contextu parenchymatico densiusculo, atro-fuligineo; ascis cylindraceo-clavatis deorsum breve attenuato-stipitatis nodulosisque, apice tunica integra rotundatis, 99-110 = 15, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis v. oblique monostichis, cylindraceo-clavatis, deorsum acutioribus, 24-26 = 6-7, curvulis, 4-septatis, septo submedio lenissime constrictis, 5-guttulatis, lutescenti-olivaceis.

Hab. in trunco putrescente Opuntiæ Fici indicæ ad *Licata* in Sicilia, Aprili 1877 (V. Beltrani).

Obs. Sporidiis clavulatis 4-septatis &c. statim dignoscitur.

119. **Leptosphæria Euphorbiæ** Niessl in Rabh. F. E. n. 1841.

Hab. in caule putrescente Euphorbiæ Cyparissiæ *a Conegliano* aut. 1877 (Spegazzini).

Obs. Perithecia subcutanea, dein erumpentia, majuscula, depresso-globosa, breve papillata. Asci cylindraceo-clavati, 85-95 = 14-16, breve stipitati, octospori; sporidia disticha crasse fusoidea, 28-30 = 7-8, utrin-

que acutiuscula, 3-septata, ad septa leniter constricta, atrofuliginea.

120. **Leptosphæria Cerlettii** Speg. Ampel. it. n. 30.

Hab. in sarmentis emortuis Vitis cordifoliæ a *Conegliano*, Oct. 1877 (SPEGAZZINI).

Obs. Asci cylindraceo-clavati, paraphysati octospori. Sporidia disticha, fusoidea, deorsum acutiora, 35-37 $\times$ 10, 5-septata, mellea. Perithecia ostiolo setulosa. *Lept. spectabili* Niessl affinis.

121. **Leptosphæria vinealis** Pass., Thuem. Pilz. d. Weinst. p. 133. Speg. Ampel. ital. n. 25. (forma foliicola et ramicola).

Hab. in foliis sarmentisque Vitis viniferæ a *Conegliano*, aut. 1877 (SPEGAZZINI).

Obs. Asci cylindraceo-obclavati, brevi-stipitati, octospori. Sporidia disticha, fusoidea, 20–22 $\times$ 5, 3–septata, loculo secundo subincrassato, guttulata, olivacea. Ob perithecia, maculicolas et sporidia utrinque obtusiuscula a specie Passeriniana paululum recedit.

122. **Leptosphæria apogon** S. & S. Peritheciis sparsis, epidermide velatis, globoso-lenticularibus, 150 micr. diam. vix papillulatis, poro pertusis; contextu tenui-membranaceo, fuligineo; ascis oblongis, subsessilibus, utrinque obtusiusculis, lumine apice vix angustato, paraphysibus obsoletis; sporidiis distichis oblongo-subfusoideis, rectiusculis, 22–25 $\times$ 5–5$^1/_2$, 3–septatis, ad septum medium leniter constrictis, guttulatis olivaceis, utrinque obtusis.

Hab. in calamis Scirpi Holoschæni putrescentibus, a *Conegliano*, Majo 1877.

Obs. Affinis *Leptosphæriæ micropogoni* Sacc., a qua defectu setularum circa ostiolum dignoscitur, *Leptosphæriæ hydrophilæ* Sacc., a qua sporidiis subfusoideis angustioribus differt, nec non *Leptosphæriæ culmorum* Awd., a qua sporidiis angustioribus, ascis angustioribus brevioribusque satis recedere videtur.

123. **Leptosphæria** (Leptosphærella) **Diana** S. & S. Maculis nullis obsoletisve; peritheciis sparsis, hypophyllis, epidermide subvelatis, lenticularibus, 80–90

micr. diam., pertusis; ascis oblongo-fusoideis, subsessilibus, 45–50 ≈ 12, paraphysibus obsoletis, octosporis; sporidiis subtristichis, fusoideis, curvulis, 4-septatis, loculo secundo leniter crassiore, 18–22 ≈ 4–5, utrinque obtusiusculis, olivaceis.

Hab. in foliis putrescentibus Aceris Negundinis *a Vittorio*, Maio 1877.

124. **Leptosphæria** (Leptosphærella) **helvetica** S. & S. F. ital. n. 324. Peritheciis in foliis arescendo cinerascentibus laxe gregariis punctiformibus, lenticularibus 80–100 micr. diam., poro pertusis, contextu parenchymatico, membranaceo griseo-fusco; ascis crasse obclavato-cylindraceis, 45–55 ≈ 11, apice rotundatis, breve crasse et oblique stipitatis, aparaphysatis, octosporis; sporidiis distichis, ovato-oblongis, rectis, 10–12 ≈ $3^1/_2$–$4^1/_2$, utrinque rotundatis, 4-locularibus, dilute olivaceo-fuligineis, loculis extimis pallidioribus, mediis quandoque minute guttulatis.

Hab. in pagina superiore foliorum languidorum Selaginellæ helveticæ *a Tarzo* prope *Vittorio*, Apr. 1878, socia *Phyllosticta helvetica*, ejusdem spermogonio, sic definienda: peritheciis punctiformibus 100 micr. diam., pertusis; spermatiis oblongis curvulis, minimis, 2 ≈ $^1/_4$–$^1/_2$, hyalinis.

Obs. A *Lept. Crepini* (West.) DNtrs. et *L. lycopodina* (Mntgn.) certe diversa.

SPHÆRULINA Sacc. Perithecia et asci *Sphærellæ*. Sporidia cylindracea v. oblongata, 3–pluriseptata, hyalina.

Obs. A genere *Sphærella* Ces. & DNtrs sporidiis 3-pluriseptatis, a *Leptosphærella* Sacc. (sect. Leptosphæriæ) defectu paraphysum, sporidiis prorsus hyalinis et habitu toto sphærellaceo facile tuteque dignoscendum genus.

125. **Sphærulina myriadea** (DC.) Sacc. *Sphæria myriadea* DC. *Sphærella myriadea* Rabh., Awd. in Mycol. Europ. pag. 12 fig. 9. Sacc. Mycol. Ven. pag. 95.

***S. fraxinea** S. & S. Peritheciis hypophyllis, sparsis, lenticulari-globulosis, $^1/_6$ mill. diam. prominulis, punctiformibus, pertusis, contextu distincte parenchy-

matico, fuligineo; ascis fasciculatis cylindraceo-clavulatis, 60 * 9–10, subsessilibus, apice tunica integra rotundatis, omnino aparaphysatis, 8sporis: sporidiis 2–3-stichis, cylindraceo-fusoideis, leniter curvulis, 28–30 * 4, utrinque obtusiusculis, typice 3-septatis, (quandoque 4–6–septatis, hyalinis.

Hab. in foliis languidis Fraxini Orni *a Pianzano*, hieme 1877.

Obs. A forma typica peritheciis hypophyllis, prominulis, subsparsis, sporidiis sæpe 4–6–septatis desciscit.

126. **Sphærulina** (Pringsheimia) **intermixta** (B. & Br.) Sacc. *Sphæria intermixta* B. & Br. Cke Hndb. p. 889. *Sphærella intermixta* (B. & Br.) Awd. Pyr. Herb. Heufl. pag. 4. *Pringsheimia Rosarum* Schulz. Ptl. Slav. pag. 57.

Hab. in cortice nondum emortuo Rubi fruticosi *a Selva* et *a Conegliano*, aut. 1878.

Obs. Perithecia gregaria, minutissima, epidermide velata, lenticularia ambitu circularia v. ovata, 80–100 micr. d., poro latiusculo sæpe irregulari v. rimoso pertusa; contextu tenui-membranaceo, parenchymatico, fuligineo. Asci diu in globum fasciculatim juncti, oblongo-clavati 45–55 * 12–14, brevissime stipitati, apice tunica integra incrassata rotundati, aparaphysati, octospori. Sporidia disticha, clavato-obpyriformia, 16–18 * 7–8, recta v. curvula, apice rotundata, in basim acutata, 3-4–septata, ad septa leniter constricta, nubilosa, hyalina. A genere peritheciis atypice dehiscentibus, sporidiis lacrymiformibus et habitatione nonnihil desciscit. Huic speciei probabiliter valde cognata est *Sphæria abbreviata* Cke Hndb p. 793.

127 **Sporormia fimetaria** DNtrs. Microm. ital. Dec. V. n. 6. Pirotta Sprororm. p. 160., Niessl Spororm. n. 21.

Hab. in fimo vaccino in sylva *Cansiglio*, Aug. 1878 (C. Spegazzini).

Obs. Perithecia Sporormiam minimam æmulantia. Asci cylindraceo-clavati, 100–110 * 15, apice obtuse

conici deorsum attenuato-stipitati, basique ima nodulosi, aparaphysati, octospori: sporidia fasciculatim polysticha, cylindrica, 50–55 ≈ 3–4, utrinque conoidea, 16-18-septato-torulosa, non secedentia, fuligineo-viridula, utrinque pallidiora.

128. **Perisporium vulgare** Cda, Sacc. F. Ven. Ser. V. 174.

Hab. in lignis putrescentibus, charta et tela udis, stercore ovino in toto agro Veneto, per annum.

Obs. Summopere variat forma et magnitudine ascorum et sporidiorum. Observavi:

In lignis decorticatis: ascis longe stipitatis 140 ≈ 15–18, stipite 70 lgo; sporidiis 25–30 ≈ 6 $\frac{1}{2}$–7.

In ramis corticatis: ascis brevissime stipitatis 35 –40 ≈ 17–19, stipite 7–8 lgo; sporidiis 28 ≈ 5.

In charta putri; ascis mediocriter stipitatis 80-100 ≈ 18, stipite 20–30 lgo; sporidiis 26 ≈ 7–8.

In stercore ovino nunc: ascis brevi-stipitatis 15 ≈ 16–17, stipite 10 lgo; sporidiis 25 ≈ 5 $\frac{1}{2}$–6. Nunc: ascis 160–190 ≈ 20, stipite 70–100 lgo; sporidiis 35 ≈ 6 $\frac{1}{2}$–7.

Ex iis quæ præcedunt, evincitur duas formas distingui posse, nec tamen tute limitatas, quæ sunt: forma *micropoda* et *macropoda*, ex ascis breve aut longe stipitatis distinguendæ.

129. **Zignoella nematasca** S. & S. Peritheciis sparsis, ligno semiimmersis v. fere immersis, $\frac{1}{3}$ mill. diam; globulosis, atro-nitentibus, ostiolo conoideo emergente; ascis anguste cylindricis, 150–200 ≈ 10–11, quandoque tortuosis, apice rotundatis, breve stipitatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis monostichis, cylindraceis utrinque abrupte acutatis, 30–35 ≈ 7–8, rectis, 8-9-septatis, ad septa subconstrictis, loculis 3–4-guttulatis, hyalinis.

Hab. in ramulis decorticatis putrescentibus Fraxini Orni in Euganeis, Februario 1878, raro.

130. **Zignoella dolichospora** Sacc. Peritheciis dense gregariis, superficialibus, globulosis, carbonaceis, ni-

gris. $^1/_6$ mill. d., breve papillatis; ascis cylindraceo-clavatis, modice stipitatis, apice tunica integra rotundatis, paraphysibus septulatis obvallatis, octosporis; sporidiis 2–3-stichis, anguste fusoideis, curvulis, utrinque acutiusculis, 35–40 ≈ 5–6 $^1/_2$, 7–9-septatis, 8–10-guttulatis, ad septa non v. leniter constrictis, hyalinis.

Hab. in ligno cæso putri quercino in sylva *Montello*, Sept. 1878.

Obs. Affinis *Z. macrosporæ* Sacc., a qua ascis sporidiisque duplo majoribus recedit.

131. **Melanomma acutum** Sacc. Peritheciis laxe gregariis, ligno basi insculptis v. subsuperficialibus, $^1/_3$ mill. diam., carbonaceis, atronitidulis, acute et longiuscule papillatis; ascis cylindraceo–clavatis, 90–100 ≈ 18, crasse stipitatis apice, tunica integra, rotundatis, paraphysibus filiformibus asco longioribus obvallatis; sporidiis distichis, oblongis, 24–26 ≈ 8, utrinque obtusiusculis, 3–septatis, ad septum medium constrictis, articulis sæpius 2-guttulatis, olivaceo-fuligineis.

Hab. in ligno decorticato Mori albæ *a Selva*, Sept. 1877.

Obs. Affine *M. longicolli* Sacc. a quo differt ostiolis acutis sed minus longis, ascis sporidiisque crassioribus eorumque articulis pluri- nec 1-guttulatis.

132. **Melanomma medium** S. & S. Peritheciis gregariis sparsisque cortice secedente, superficialibus, globulosis $^1/_3$ mill. diam., ostiolo conoideo obtuso, dein pertuso; ascis cylindraceo-clavatis, breve stipitatis, 80-90 ≈ 10-12, apice, lumine leniter coarctato, rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis subdistichis, oblongis, utrinque obtusis, 22-25 ≈ 6-7, rectis curvulisve, 3-septatis, ad septa leniter constrictis,4- (raro pluri-) guttulatis, dilute fuligineis, guttulis hyalinis.

Hab. in ramis putrescentibus Aceris Negundinis *a Conegliano*, Junio 1877.

Obs. Inter *Mel. pertusellum* Sacc. Mich. III. 315 et *M. juniperinum* (Karst.) l. c. 346 species intermedia videtur. A prima peritheciis duplo majoribus,

sporidiis obtusioribus in primis differt, ab altera sporidiis nunquam 5–septatis &c.

133. **Melanomma dubiosum** Sacc. Peritheciis gregariis sparsisve subsuperficialibus e basi applanata globoso-conoideis, $^1/_2$ mill. diam., subcarbonaceis, nigris, ostiolo depresse papillato obtuso dein pertuso; ascis crasse clavatis, 100-110 = 18-20, breve crasse stipitatis, apice, lumine coarctato, rotundatis, paraphysibus filiformibus obvallatis, octosporis: sporidiis distichis oblongis, utrinque rotundatis, 28-30 = 10-12, rectis v. inæquilateralibus, 3-septatis, ad septa (præcipue medium) constrictis, 4-guttulatis, fuligineis loculis mediis obscurioribus.

Hab. in trunculis humifusis putrescentibus Globulariæ cordifoliæ *a Colfosco* Sept. 1877 nec non Medicaginis lupulinæ *a Padova*, Martio 1874.

Obs. Diu pro *Amphisphæria zerbina* DNtrs habui, sed cum hujus sporidiorum loculi extimi multo angustiores, immo veræ appendiculæ hyalinæ sint, mea species jure meritoque distingui debet. Dubitavi insuper (nec dubium prorsus evanuit) an hæc mea species *Leptosphæriæ* generi adscribenda potius sit. Fructificatione enim cum *Leptosph. heterospora* DNtrs Niessl satis convenit, sed peritheciis longe differt.

134. **Melanomma ceratophorum** S. & S. Peritheciis late densiuscule disseminatis, globulosis, $^1/_3$ mill. d., semiinfossis, atris, carbonaceis in ostiolum crassiuscule conico-cylindraceum perithecium æquans v. excedens sensim productis; ascis cylindraceo-clavatis, brevi-stipitatis, apice obtusiusculis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis oblongis, 13–14 = 3 $^1/_2$–4, lenissime curvulis, utrinque acutiusculis, 3-septatis, ad septa vix constrictis, fuligineis.

Hab. in culmis Arundinis Donacis putridis *a Conegliano*, Aug. 1878.

Obs. A *M. longicolli* Sacc. F. it. fig. 293 ascis et sporidiis dimidio minoribus recedit.

135. **Melanomma Sylvanum** S. & S. Peritheciis laxe sparsis subsuperficialibus v. basi ligno infossis, glo-

bulosis. $^{1}/_{4}$ mill. d., obtuse papillatis perforatisque, denique sub-cupulatis, contextu subcarbonaceo, atro; ascis clavato-cylindraceis, 90–100 ≈ 12, brevi-stipitatis, apice rotundatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis distichis oblongo-clavulatis, 25–30 ≈ 6–7, rectis, utrinque obtusiusculis, loculo secundo subcrassiore, obsolete guttulatis dilute fuscis.

Hab. in trabe indurata a b i e t i n a *a Selva,* Sept. 1878.

Obs. Peritheciis denique subcupulatis sporidiisque clavulatis a *Mel. medio,* cui affine, imprimis differt.

136. **Massaria penicillata** Sacc. Peritheciis laxe gregariis, subcutaneis, prominulis, globosis, $^{1}/_{3}$ mill. diam., ostiolo breve conoideo, setulis eseptatis fuligineis, 50 ≈ 3, subpenicillatis ornato; perithecii contextu subcarbonaceo, distincte parenchymatico, fuligineo; ascis cylindraceis brevissime stipitatis apice, lumine integro, rotundatis, 90 ≈ 15, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis v. oblique monostichis, oblongo-fusoideis, 20 ≈ 8, 3–septatis, ad septum medium constrictis, rectis, utrinque obtusiusculis, strato mucoso obvolutis, loculis 1–2–guttulatis, hyalinis.

Hab. in ramulis corticatis C y t i s i n i g r i c a n t i s in sylva *Montello,* Sept. 1877.

137. **Bertia italica** S. & S. Peritheciis gregariis, superficialibus et facile secedentibus, globulosis, majusculis, $^{1}/_{2}$ mill. diam., vertice obtusis, undique et perspicue rugoso-tuberculatis, nigris, subopacis, nucleo nigro, contextu coriaceo-molliusculo, distincte laxe parenchymatico fuligineo; ascis elongato-clavatis, 145 ≈ 28, apice obtusiusculis, breve crasseque stipitatis octosporis, paraphysibus nullis visis; sporidiis distichis 32–35 ≈ 12–14 oblongis v. subfusoideis, medio sæpe constrictis, 1–septatisque, utrinque obtusiusculis, 2–guttatis v. granulosis, hyalinis.

Hab. in cortice J u n i p e r i c o m m u n i s *a Conegliano,* vere 1878 (Spegazzini).

Obs. A *Bertia moriformi* DNtrs, *B. querceti* Rehm et *B. lichenicola* DNtrs, ascis sporidiisque multo cras-

sioribus præsertim distinguenda; a *B. macrospora* Sacc. defectu paraphysum sporidiisque brevioribus.

138. **Enchnosphæria Caput-Medusæ** S. & S. Peritheciis sparsis, in ramulis infuscatis superficialibus, globulosis $^1/_4$–$^1/_3$ mill. diam., ostiolo obsoleto, fuscis, undique setis digerventibus, rigidulis, parce septatis, 80–250 ✶ 8–10 (in basi), atro-fuligineis, sursum attenuatis pallidioribus laxe vestitis; contextu laxe parenchymatico fuligineo; ascis cylindricis, 90–110 ✶ 7–8, brevissime noduloso-stipitatis, apice, lumine integro, rotundatis, paraphysatis, octosporis; sporidiis distichis, fusoideis, curvulis, utrinque obtusiusculis, 20–25 ✶ 3–4, initio 4–6-nucleatis, dein tenuiter 5-septatis, loculo subintermedio crassiore, hyalinis.

Hab. in ramulis putrescentibus Catalpæ syringifoliæ *a Conegliano,* Sept. 1877.

Obs. Ab affini *Enchn. passerini* Sacc. F. ital. tab. 142 differt praecipue setulis rigidulis, crassioribus, totum perithecium vestientibus, ascis sporidiisque fere dimidio angustioribus.

Sect. 6. **Scolicosporæ** Sacc.

139. **Linospora elata** S. & S. Peritheciis sparsis, stromate nullo exceptis plerumque epiphyllis, innato–prominentibus, globoso-conicis, $^1/_5$ mill. cr., ostiolo acuminato, longiusculo: contextu subcarbonaceo, atro; ascis bacillaribus, fasciculatis, 45–55 ✶ $2^1/_2$, aparaphysatis: sporidiis (immaturis) filiformibus, exilissimis, ascum subæquantibus.

Hab. in foliis putrescentibus Corni sanguineæ *a Conegliano,* Martio 1877.

Obs. Etsi exemplaria nostra immatura videantur, peritheciorum characteres speciem distinctam designant.

140. **Linospora Magnagutiana** Sacc. F. ital. tab. 220. Michel. I, 45.

*L. **faginea**: peritheciis in maculis foliorum decoloratis laxe gregariis, epidermideque tumidula atronitente velatis, obtuse papillatis, contextu pachydermatico ni-

gro; ascis cylindricis fasciculatis, 100–120 $\times$ 3 $^1/_2$–4, aparaphysatis, octosporis; sporidiis ascos subæquantibus, $^1/_2$–$^3/_4$ micr. cr. continuis, obsolete guttulatis, hyalinis.

Hab. in foliis nondum emortuis Fagi sylvaticæ prope *Conegliano*, vere 1877 (SPEGAZZINI).

Obs. *Linosp. Magnagutiana* typica (in Sorbo torminali lecta fuit quoque in sylva *Montello* et a *Conegliano*.

141. **Lasiososphæria pygmæa** S. & S. Peritheciis laxe gregariis, superficialibus, globoso-conoideis, $^1/_{12}$–$^1/_{10}$ mill. diam., punctiformibus, setulis obtusiusculis, 50–70 $\times$ 5–6, eseptatis, fuligineis undique laxiuscule vestitis; perithecii contextu tenui-membranaceo, olivaceo-fuligineo; ascis crasse cylindraceis, brevissime stipitatis, 80–85 $\times$ 15–16, apice tunica integra rotundatis, paraphysibus filiformibus asco longioribus obvallatis, octosporis; sporidiis tristichis, bacillaribus, 50–60 $\times$ 4–4 $^1/_2$, utrinque obtusiusculis, 10–11-septatis, loculis 1–2-guttulatis, hyalinis.

Hab. in culmis putrescentibus Triticorum *a Conegliano*, Sept. 1877 (SPEGAZZINI).

Obs. Affinis *L. minutæ* Fckl. (Sacc. F. ital. t. 217) a qua sporidiis bacillaribus 10–11-septatis, habitatione &c. recedit.

142. **Lasiosphæria hispidula** S. & S. Peritheciis sparsis subsuperficialibus, globulosis, atris, vix $^1/_3$ mill. d. pertusis epapillatis, setulis longis, septatis, 100–180 $\times$ 3–4, fuligineis undique vestitis, basique hyphis ramosis, cinctis contextu subcarbonaceo atro; ascis cylindraceo-clavatis, breve stipitatis, 80–85 $\times$ 8–9, apice tunica integra attenuato-rotundatis, aparaphysatis, octosporis; sporidiis distichis v. subtristichis, bacillari-fusoideis, curvulis, utrinque obtusiusculis, 35–45 $\times$ 2 $^1/_2$–3 $^1/_2$, plasmate inæqualiter 5–6-partito, non constrictis, hyalinis.

Hab. in culmis graminum minorum *a Conegliano*, vere 1878.

Obs. Tum a *Las. minuta* Fckl., tum a *L. pygmæa* Sacc. notis datis diversa.

Sect. 7. **Dictyosporæ** Sacc.

COOKELLA Sacc. nov. gen. *) Perithecia applanata, membranacea, subsuperficialia, astoma. Asci globoso-ellipsoidei, aparaphysati, octospori. Sporidia muriformia, colorata — Cum genere *Phymatosphæria* Pass. et *Saccardia* Cke ascorum et sporidiorum fabrica convenire videtur, sed conceptacula diversissima et sporidia colorata. A gen. *Asterina* Lév. defectu hypharum et sporidiis muralibus differt.

143. **Cookella microscopica** Sacc. Peritheciis punctiformibus, gregariis, superficialibus, dimidiato-applanatis, ambitu irregularibus, astomis; contextu tenerrimo celluloso, dilutissime fuligineo; ascis copiosis coacervatis, initio sphaeroideis, dein ellipsoideis, 40–45 ≈ 30–35, sessilibus aparaphysatis, octosporis; sporidiis tristichis, oblongis, 20–24 ≈ 8–11, utrinque rotundatis, 3-septato-muriformibus, ad septa leniter constrictis, ochraceo-fuligineis.

Hab. in foliorum pagina inferiore languidorum Quercus pedunculatæ in sylva *Montello*, Oct. 1877, ut videtur, rarissime. Autumno 1878 ibidem frustra quæsivi.

Obs. Cum peritheciis ascigeris adsunt perithecia similia sed spermatiophora: spermatiis globulosis. v. obtuse angulosis, 7–8 micr. diam. initio 1-guttulatis hyalinis, dein ochraceo-fuligineis. *Stigmella dryina* (Cda) Lév. forte statum conidicum sistit.

144. **Pleospora straminis** S. & S. Peritheciis laxe gregariis, innato-erumpentibus, globulosis, papillatis, $^1/_3$ mill. diam., basi hyphis anastomosantibus fuligineis parce vestitis; contextu membranaceo, parenchymatico fuligineo; ascis cylindraceis v. subclavatis, brevissime crasse stipitatis, apice rotundatis, 140–150 ≈ 25–30, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis oblongo-fusoideis, utrinque obtusiusculis medio constri-

*) Ad honorem mycologi actuosissimi atque peritissimi M. C. Cooke londinensis.

ctis, 40–45 × 16–18, 9–11–septatis crebreque muriformibus, primo flavis, dein olivaceis, tandem fuligineis.

Hab. in vaginis putrescentibus nigrificatis Triticorum *a Conegliano*, Sept. 1877.

Obs. A *Pleosp. arctica* Karst. F. Spetsb. p. 97, cui affinis, sporidiis 10–11–septatis, loculisque omnibus (nec 1–2) longitudinaliter septatis differt.

145. **Pleospora oligomera** S. & S. Peritheciis laxe gregariis innato-erumpentibus, dein subsuperficialibus, globoso–depressis $^1/_4$–$^1/_3$ mill. diam., atronitidulis, obtuse papillatis, dein umbilicato-collapsis; contextu laxe celluloso, pachydermatico, fuligineo; ascis cylindraceis apice lumine integro rotundatis, brevissime stipitatis, 90–100 × 15–16, paraphysatis, octosporis; sporidiis oblique monostichis oblongo-ovoideis, 20–22 × 9–11, 3–septatis, ad septa leniter constrictis, septis longitudinalibus 1–serialibus, flavis dein fuligineis.

Hab. in caule putri Silenes *a Treviso*, Aprili 1878, rarius.

Obs. A *Pleosp. Bardanæ* Niessl, cui affinis, differt peritheciis dein umbilicatis, sporidiis utrinque obtusis &c.

146. **Cucurbitaria Rosæ** Wint. herb. *Cucurbitaria*.... Hazl. Sph. d. Rose p. 217 fig. 15.

Hab. in ramis Rosæ caninæ putrescentibus *a Padova*, Martio 1878.

Obs. Dubia in hoc genere species. Perithecia enim gregaria, sed subcutanea, ostioloque erumpente papillato donata. Contextus coriaceo-carbonaceus, parenchymaticus, ater. Asci cylindracei, 120 × 16–18, p. s. 100 lga, breve nodoso-stipitati, apice rotundati, paraphysibus copiosis filiformibus obvallati, octospori; sporidia monosticha v. subdisticha, oblongo-fusoidea, curvula, rectave, 5–7–septato-muriformia, ad septum medium constricta, 20–24 × 8–10, obscure olivacea. — Cucurbitaria Hazl. l. c. differret sporidiis 3–4–septatis, non constrictis, monostichis, an tamen constanter?

Hypocreaceæ *DNtrs.*

147. **Nectriella aurea** S. & S. Peritheciis superficialibus hinc inde dense congregatis, nitide aureis, globulosis vix papillatis, $^1/_8$–$^1/_5$ mill. d. denique collabescendo profunde cupulatis; contextu tenui laxiuscule areolato circa ostiolum radiante; ascis fusoideis facillime diffluentibus; sporidiis oblongis v. subfusoideis, rectis, 14–15 ≈ 4, utrinque obtusiusculis, 2–4–guttulatis, hyalinis (nonnullis e germinatione filigeris visis).

Hab. in cortice duriore Ulmi campestris *a Conegliano*, vere 1878.

Obs. Habitu et colore statim dignoscenda. A *Nectriella chrysite* (West.) Sacc. longe diversa.

148. **Nectriella jucundula** S. & S. Peritheciis superficialibus, dense gregariis, minutissimis, nitide cinnabarinis, e globoso conoideis, breve papillatis, $^1/_8$–$^1/_5$ mill. d.; contextu laxe areolato, rubente; ascis cylindraceo-clavulatis 35–40 ≈ 5–6, apice obtusiusculis, breve crassiuscule stipitatis, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis, rectis curvulisve 10–12 ≈ 2–3, utrinque acutiusculis, plerumque 2–guttulatis, hyalinis.

Hab. in culmis putrescentibus Arundinis Donacis *a Conegliano*, Julio 1878.

Obs. A *Nectriella jucunda* (Mtg.) Sacc. Michelia III. 278, sporidiis fusoideis imprimis differre videtur.

149. **Nectria Cucurbitula** (Tode?) Fr. Kunze F. selecti n. 105!

Hab. in cortice Abietis excelsæ in sylva *Cansiglio*, aut. 1875–78.

Obs. Perithecia globosa, nitida, miniata, breve et obtuse papillata, non collabescentia, ergo vix congruentia cum icone 110 Todei F. Mekl., sed perfecte cum speciminibus optimæ Kunzeanæ Mycotheceæ — Asci cylindrici 100–110 ≈ 6 sub apice constricti, breve stipitati, aparaphysati, octospori; sporidia monosticha oblongo–biconoidea, constricto–1–septata, 15–18 ≈ 7, 2–4–guttulata, hyalina.

150. **Nectria ditissima** Tul., Sacc. Michelia III. 291.
Hab. in cortice duriore fagineo in sylva *Cansiglio*, aut. 1876–78.
Obs. Perithecia hinc inde late et dense gregaria amœne sanguinea. Sporidia monosticha, oblonga, 14 ⋇ 6, utrinque obtusiuscula, 1–septata, leniter constricta, hyalina.

Dothideaceæ *Nke.*

151. **Phyllachora sylvatica** S. & S. Stromatibus ovatis oblongisve brevibus, $^1/_2$–$^3/_4$ mill. longis, tumidulis, atro-fuliginеis, subcoriaceis; nucleis globulosis laxiusculis, ostiolis 25 micr. diam. cellulis radiantibus pallidis extructo: ascis cylindraceo-clavatis, breve noduloso-stipitatis, 90–95 ⋇ 15, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis subdistichis ovato-oblongis, quandoque inæquilateralibus, 17–18 ⋇ 8, utrinque obtusiusculis, granulosis guttulatisve, hyalinis.
Hab. in foliis vivis Festucæ duriusculæ in sylva *Cansiglio*, Aug. 1878.
Obs. A *Ph. Bromi* Fckl. sporidiis oblongis, multo longioribus, a *Ph. Agrostis* Fckl. sporidiis continuis brevioribusque distinguenda.

Lophiostomeæ *Sacc.* (Mich. III. 337)

152. **Schizostoma querceti** S. & S. Peritheciis globulosis (in corticis libro immersis v. semiimmersis, $^1/_3$ mill. d. nigris, subcarbonaceis, ostiolo minuto, compresso; ascis cylindraceis, 110–130 ⋇ 12, brevissime noduloso-stipitatis, apice, lumine coarctato, obtusatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis recte v. oblique monostichis, biconico-oblongis, constricto-1-septatis, 24–28 ⋇ 8–10, pluri-guttulatis, hyalinis.
Hab. in cortice quercino prope *Conegliano*, vere 1878.

Obs. I. A *Schiz. vicino* Sacc. F. it. fig. 239 sporidiis jugiter hyalinis visis et peritheciis dimidio minoribus differt.

Obs. II. Inter Lophiostomeos quos cl. de Thümen egregio C. Spegazzinio examinandos benevole tradidit, species pulcherrima adest, quæ sub falso nom. *Sphæriæ macrostomæ* e collectione beati Desmazieres sub num. 622, 1205 et 1272 provenit. Hæc jure meritoque *Loph. Desmazierii* nomine salutanda et sic definienda.

153. **Lophiostoma Desmazierii** S. & S. Peritheciis gregariis ligno v. cortice penitus infossis v. semiimmersis globulosis, $^1/_4$–$^1/_3$ mill. diam., carbonaceis, nigris, ostiolo anguste lineari, truncato; ascis cylindraceis, 170–180 ≈ 15, apice, lumine obsolete 1–foveolato, rotundatis breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis oblongo-fusoideis, 35–40 ≈ 10–12, 3–septatis, ad septum medium constrictis, ochraceo-fuligineis minute dense verruculosis stratoque hyalino obvolutis.

Hab. in ramulis Rhamni cathartici ad *St. Lucie* (Gallia) et ramulis Aceris campestris ad *Courtrai* (Belgia).

Obs. Species sporidiis constanter muriculatis et mucosis nobilissima.

154. **Lophiotrema Thümenianum** (Speg.) Sacc. Mich. III. 338. *Lophiost. Thümenianum* Speg. in Thüm. Pilze d. Weinst. p. 119 f. I. fig. 19. et Ampel. ital. n. 33.

Hab. in sarmentis emortuis Vitis viniferæ *a Conegliano,* aut. 1877.

Obs. Asci clavato-cylindracei, 150–180 ≈ 20, paraphysati, octospori. Sporidia elongato-fusoidea, curvula 60–65 ≈ 10, constricto–9–10–septata, loculis pluriguttulatis, diu hyalina, tandem (senio?) dilute-fuliginea. A *L. alpigeno* Fckl., cui simillimum, differt sporidiis paulo majoribus, senio fuscescentibus, an satis?

155. **Lophiotrema crenatum** (Pers.) Sacc. Mich. III. 338. *Lophiostoma crenatum* (Pers.) Nke.

Hab. in ligno decorticato putrescente *a Cerlongo*

(Mantova) ubi legit Com. A. MAGNAGUTI-RONDININI, Apr. 1875.

Obs. Perithecia ligno insculpta, ostiolo latissimo, compresso, subcrenato. Asci cylindraceo-clavati, 110 ✱ 15, paraphysati, octospori; sporidia disticha, fusoidea, recta curvulave, 28 ✱ 6–7, utrinque attenuata, 4-nucleata, subtiliter 3-septata, hyalina.

156. **Lophiotrema massarioides** Sacc. Peritheciis laxe gregariis, cortice nidulantibus, erumpentibusque, globulosis, $^3/_4$ mill. diam., ostiolo crassiuscule compresso, truncato, rimoso; ascis cylindraceo-clavatis, 150 ✱ 18–20, breviuscule noduloso-stipitatis, apice rotundatis, paraphysibus filiformibus asco brevioribus obvallatis, octosporis; sporidiis, distichis, elongato-fusoideis, utrinque acutatis, 45 ✱ 8–9, strato hyalino obvolutis, rectis v. curvulis, 8–9–cuboideo–nucleatis vel tandem tenuiter septatis, hyalinis.

Hab. in ramulis corticatis Ailanthi glandulosæ *a Sermide*, prov. Mantuæ, Majo 1877 (A. MAGNAGUTI-RONDININI).

157. **Lophidium thyridioides** S. & S. Peritheciis laxe gregariis ligno superficie late atro-inquinata fere omnino immersis, vix $^1/_2$ mill. diam., e globoso-ellipsoideis, carbonaceis, aterrimis, supra obtuse rotundatis, ostiolo lineari vix manifesto denique longe rimose dehiscente; ascis crasse cylindraceis, 140–150 ✱ 28–30, brevissime incurvo-stipitatis, apice rotundatis, octosporis; sporidiis distichis, cylindraceo-oblongis, 36–40 ✱ 12–14, rectis v. curvulis, utrinque rotundatis, initio cribrose guttulatis hyalinis, dein flavidis, tandem distinctissime 10–13–septato–muriformibus, ad septa leniter constrictis, olivaceo-fuscis.

Hab. in ramis decorticatis Quercus sessiliflorae *a Conegliano*, aut. 1877.

Obs. Ob matricem nigrificatam, ostiola obsolete lophiostomoidea, et perithecia immersa ad *Thyridium* e. g. *Rousselianum* S. & S. (F. ital. tab. 319) nonnihil accedit. Ob sporidia grandia et crebre septata ad *Loph. pachysporum* Sacc. (F. ital. tab. 231) vergit,

quod vero ostiolis majusculis et perfectis præ ceteris statim dignoscitur.

Hysteriaceæ *Cda.*

158. **Glonium pygmæum** Karst. Fenn. II. 239.

Hab. in ligno emortuo Thujæ orientalis *a Selva*, Oct. 1878.

Obs. Perithecia nudo oculo vix perspicenda, ovato-oblonga, vix $^1/_{10}$ mill. longa, rimulà latiusculà percursa. Asci crasse clavato-obovati, 40-50 ∗ 18–25, subsessiles, apice tunica crassa semiperforata, obtusissimi; aparaphysati, octospori; sporidia tristicha–conglobata, oblongo-didyma, 10-11 ∗ 4–5, rarius 15 ∗ 6, medio constricta, hyalina.

159. **Hysterographium grammodes** (DNtrs.) Sacc. M. V. n. 1279. *Hysterium grammodes* DNtrs. Pir. ister. pag. 20. Cfr. Michelia I. pag. 55.

Hab. in ligno decorticato Oleæ europææ in collibus Euganeis et *di Conegliano*, 1876-78.

Obs. Etsi peritheciis minusculis verum *Hysterographium*, fructificatione *Hysterogr. viticolo* (C. & P.) Rehm affine. Asci cylindracei v. cylindraceo–clavati, 90–100 ∗ 15-18, stipite noduloso 20-40 lgo suffulti, paraphysati, octospori. Sporidia disticha v. pro parte monosticha obovata, 3-5-septato-muriformia, medio constricta, utrinque obtusa, 20-24 ∗ 9-10, rufo-fuliginea. Dantur species ut hæc, nec non *Anthostomella appendiculosa*, quæ propriis et sepositis locis præbent individua externa facie typicis simillima, sed intus constanter sporidiis hyalinis aliterque formatis foeta. *Hysterographio* huic respondet ut (Mich. l. c.) monui, *Hysterium australe* Duby (Sacc. F. V. Ser. IV. 26), dum citatæ *Anthostomellæ* respondet *Rosentischia* mea *appendiculosa* (F. Ven. Ser. V. 177). De quibus observandum (et sane mirum) quod et in exemplaribus maturescentibus sporidia quoque immatura sæpe reperiantur, sed hæc semper aliqua nota differunt ab

iis, quæ jugiter immatura manent. Sic in *Rebentischia* nunc memorata sporidia appendicula eximie rostriformi et facile secedente utuntur, qualia in *Anthostomella* immatura neutiquam observavi. Ex quibus observationibus deduci posse videtur quod aut locus vim organorum modificandæ evolutionis possideat, aut præfata individua (etsi habitu simillima) species sistant diversas.

160. **Hysterium pulicare** Pers. Sacc. Mycol. Ven. p. 158. * **H. fruticum.** Peritheciis superficialibus oblongo-cylindraceis elevatis, utrinque rotundatis, 1 mill. circ. lgs et $\frac{1}{2}$ cr., carbonaceis, nitentibus, rimula tenuissima percursis; ascis cylindraceis, brevissime stipitatis, 60-70 ≈ 12-15, apice rotundatis, paraphysibus filiformibus subcoalescentibus obvallatis, octosporis; sporidiis distichis, elongato-fusoideis, curvulis, 20-22 ≈ 6-7, utrinque obtusiusculis, 3-septatis, ad septa constrictis, 4-guttulatis, totis dilute fuligineis.

Hab. in ramulis decorticatis Callunæ vulgaris *a Conegliano,* Oct. 1877 (Spegazzini).

Obs. Ab *Hysterio Callunæ* Cr., *H. pullo* DNtrs et *H. orygmæo* Duby (æque in Ericis parasiticis) longe differt. Multo magis ad *H. pulicare* Pers. et *H. angustatum* A. S. accedit.

161. **Hysterium pulicare** Pers. ***H. vulgare** DNtrs. Pir. ister. p. 18. *H. pulicare* Cda Ic. fung. V. t. IX fig. 61. *H. angustatum* pl. auct., non A. S.

Hab. in cortice duriore Æsculi Hippocastani *a Padova,* Martio 1878.

Obs. A typo peritheciis minoribus, magis depressis, levioribus differt; ab *H. angustato* A. S. (Michelia I. 55) sporidiis majoribus &c.

162. **Hysterium** (Gloniopsis) **microthecium** S. & S. Peritheciis hinc inde in partibus matricis dealbatis gregariis, parallelis, innato-erumpentibus anguste linearibus $\frac{1}{2}$-$\frac{3}{4}$ mill. longis, $\frac{1}{10}$ mill. crassis, rimula percursis; contextu cellulari atrocyaneo, molliusculo; ascis fasciculatis, oblongis v. obpyriformibus nunc 20 ≈ 15, nunc 30 ≈ 10, brevissime stipitatis, apice tunica incrassata rotundatis, aparaphysatis, octosporis; spo-

ridiis di- vel tristichis oblongis v. subclavulatis, utrinque obtusiusculis, 12-15 ≈ 4-5, rectis v. vix inæquilateralibus, initio 4-nucleatis, dein 3-septatis non v. vix constrictis, hyalinis.

Hab. in culmis induratis Arundinis Donacis vites sustinentes *a Conegliano*, Maio 1878.

Obs. Ab *H. minimo* Sacc. et *H. Moliniæ* DNtrs. quibus affine, differt matrice conspicue albo-maculata a primo insuper paraphysibus nullis, sporidiis vix constrictis, ab altero ascis sporidiisque minoribus &c.

163. **Lophodermium Pinastri** (Schrad.) Chév. Duby Hyster. p. 46.-f. **Abietis excelsæ.**

Hab. in ejusdem acubus languidis in Monte *Spinale* prope *Campiglio* in agro Tridentino, Aug. 1876 (Com. A. Magnaguti-Rondinini).

Obs. Asci cylindraceo-fusoidei, subsessiles, 110 ≈ 15, paraphysibus bacillaribus obvallati, octospori. Sporidia bacillaria, 100 ≈ 1-$^1/_2$, sæpe apice curvula obtusa, pluriguttulata, hyalina.

164. **Mytilidion aggregatum** (Fr.) Duby Hyst. p. 22. t. 1. fig. 3.

Hab. ad truncos putres decorticatos Pini Strobi *a Conegliano*, aut. 1877 (Spegazzini).

Obs. Perithecia hinc inde aggregata, mytiliformia, vix $^1/_2$ mill. lga carbonacea, basi setulis rigidulis fuligineis (constanter?) cincta. Asci cylindracei breve stipitati 120-130 ≈ 10, apice obtusati, octospori. Sporidia submonosticha initio subdidyma, dein fusoidea, 20-24 ≈ 6-7, 3-septata, ad septum medium leniter constricta olivaceo-fuliginea, quandoque loculis extimis pallidioribus — Descriptio et icon Dubyi l. c., etsi non perfecte congruent, non obstant.

165. **Mytilidion decipiens** (Karst.) Sacc. Michel. I. p. 55. * **Conorum.**

Hab. in squamis strobilorum Abietis excelsæ *a Conegliano*, aut. 1877 (Spegazzini).

Obs. A typo vix differt ascis angustioribus (nempe 100 ≈ 7) sporidiis pariter angustioribus (nempe 20 ≈ 4) 3-septatis, vix constrictis, subolivaceis.

Elaphomyceteæ *Tul.*

166. **Elaphomyces anthracinus** Vitt. Monogr. Tuber. p. 66 t. III. fig. 8. et Lycoperd. ital. p. 206.

Hab. in terra calcareo-sabulosa detritis quercinis immixta subsuperficialis in sylvula comitis *Giustiniani* prope *Conegliano*, æstate 1878 (Spegazzini).

Obs. Odore Rhaphani acutissimo nec non cortice levi nigro species statim dignoscenda et soli *E. pyriformi* Vitt. affinis. Sporidia globosa 20 micr. d. fuligineo–ochracea, levia episporio denique atro subcarbonaceo frustulatim secedente. Flocci hyalini, septulati.

167. **Elaphomyces decipiens** Vitt. Monogr. Tuber. p. 68. Lycop. p. 219 t. III. fig. 4. Sturm. D. C. F. t. 11.

Hab. in terra sabuloso–calcarea nuda in sylvula quercina *Giustinian* prope *Conegliano*, vere 1878 (Spegazzini).

Obs. I. Cortex flavo–rufescens, dein nigricans, minutissime tuberculatus, tuberculis applanatis; peridii caro brunneo-fusca corticem versus maculis albis majusculis variegata, gleba aterrima; asci 3–4-spori; sporidia globosa 18–28 micr. d. primo levia fuliginea, episporio dein frustulatim secedente atro exasperata. Odor funginus levis.

Obs. II. Cl. Spegazzini in eadem sylvula *Giustinian* in El. decipientis societate magna manu legit quoque *Elaphomycetem variegatum* Vitt. Monogr. Tub. p. 68 t. IV. f. 4. Sacc. F. V. ser. I. 134 et M. V. Cent. XIV. In hoc cortex nitide flavicans, exquisite et majuscule tuberculatus, tuberculis tri–pentagonis vertice obtuse acutato; peridii caro crassiuscula fusco–rubescens, ubique reticulatim albido–variegata; gleba atro–coffeicolor; asci 2–3-spori; sporidia globosa, 16–22 micr. d. primo levia fuliginea, episporio dein frustulatim secedente atro exasperata. Odor fungi intensissimus urinæ felinæ. Hujus speciei varietas *fuscescens* ibidem lecta peridiis minoribus minutius tuber-

culatis obscurius coloratis, sporidiis episporio initio evidentius radiatim striatulo a typo dignoscitur.

168. **Elaphomyces Persoonii** Vitt. Tuber. p. 70. t. IV. fig. 18.

Hab. in humo ad profund. 3–7 cent. inter radices quercuum in sylvula *Giustinian* prope *Conegliano*, vere 1878 (SPEGAZZINI).

Obs. Cortex niger distincte tuberculatus; peridii caro albido-rufescens, gleba atro-virens. Sporidia globosa 22–28 micr. diam., fuliginea, crassiuscule tunicata eximie reticulata. Odor funginus.

169. **Cenococcum geophilum** Fr. S. M. III. 66.

Hab. inter radices muscorum *a Bresseo* (Euganei). Febr. 1877 et *a Conegliano,* Martio 1877 (SPEGAZZINI).

Obs. Peridiola speciminum Euganeorum intus cava, coneglanensium e contra nucleo proprio cellulari atro farcta.

Discomyceteæ *Fr.*

170. **Blitridium hiascens** (B. & C.) Sacc. *Hysterium hiascens* B. & C. in Grev. IV. p. II. *Triblidium hiascens* Cooke in Grev. IV. 182. t. 67. fig 6. Non *Hysterographium hiascens* Rehm Ascom. n. 314, quod verum *Hysterographium* videtur.

Hab. in cortice duriore quercuum in silva *Montello*, socio *Hysterio pulicare* Pers., Aug. 1877.

Obs. Ascomata patellaria, sessilia, coriaceo-carbonacea, tota nigra vix $^3/_4$ mill. diam. margine acutiusculo, nunc hysteriiformiter laxe connivente, nunc expanso lecanidiaceo. Asci clavati, 120–140 ≈ 25–28, breve crasse stipitati, apice lumine initio subangustato, rotundati, paraphysibus filiformibus, simplicibus furcatisve, apice materie atrocærulea coalescentibus, obvallati, 4–6–8spori, sed typice 8–spori. Sporidia oblonga, subdisticha, 30–35 ≈ 18, utrinque rotundata, recta v. curvula initio cribrose guttata dein 7–8–se-

ptato-muriformia, ad septa non v. vix constricta, ochraceo-fuliginea.

171. **Embolus Clavus** S. & S. Gregarius v. sparsus totus niger; ascomatibus obconico-lenticularibus, planis v. convexulis, non v. vix marginatis $^1/_3$–$^2/_3$ mill. diam., stipite cylindraceo $^3/_4$ mill. longo atro fultis; contextu excipuli minute parenchymatico, subcoriaceo, stipitis prosenchymatico fibroso; ascis cylindraceis, 70–85 ⁎ 5–6$^1/_2$, breve stipitatis, apice tunica integra truncatis, pseudoparaphysibus filiformibus obvallatis, octosporis: sporidiis recte v. oblique monostichis oblongo-ellipsoideis, 12–15 ⁎ 5, olivaceo-fuligineis.

Hab. in ligno putrescente decorticato Castaneæ vescæ *a S. Polo*, Oct. 1877.

Obs. Thallus prorsus nullus. Ab *Embolo ochreato* DNtrs, Sacc. F. V. ser. IV. p. 28. ascis sporidiisque duplo longioribus recedit.

EMBOLIDIUM Sacc. nov. gen. Ascoma prorsus *Emboli*. Asci paraphysati, octospori. Sporidia *didyma* fusca.

172. **Embolidium italicum** S. & S. Ascomatibus gregariis in ligno dealbato superficialibus, totis nigris, lenticularibus, convexulis, $^1/_4$ mill. latis, stipite filiformi vix 1 mill. lgo nigro fultis; stipitis contextu prosenchymatico, excipuli parenchymatico fuligineo, subcoriaceo; ascis cylindricis brevissime stipitatis, 58–62 ⁎ 4$^1/_2$–5, apice abrupte obtusiuscule attenuatis, tunica incrassata, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis ovato-oblongis, 7–8 ⁎ 3–4, 1-septatis leniter constrictis, primo dilute olivaceis, dein olivaceo-fuligineis.

Hab. in ligno fagineo indurato in sylva *Cansiglio*, Aug. 1878.

173. **Tympanis amphibola** (Mass.) Karst. Mycol. Fenn. I. 230. *Pragmopora amphibola* Mass., *Cenangium sphæroides* Niessl herb.

Hab. ad corticem Pini sylvestris *a Susegana*, Aug. 1878.

Obs. Ascomata erumpenti-superficialia, lecanidiacea, nigra. Asci cylindraceo-clavati, brevissime stipitati,

apice tunica integra, rotundati, 70–75 ≈ 8–10, paraphysibus asco longioribus sursum paulum incrassatis guttulatis obvallati, 8spori. Sporidia disticha v. oblique monosticha, fusoidea utrinque acutiuscula, 18–20 ≈ $3^1/_2$–$4^1/_2$, 3-septata leniter curvula, hyalina.

174. **Cenangium ferruginosum** Fr. Kx. Flandr. I. 472. Karst. Fenn. I. 221.

Hab. in ramulis emortuis Pini sylvestris *a Susegana,* vere 1877.

Obs. Ascomata ob senectutem nigra et detersa observata. Asci clavati, breve stipitati 70–80 ≈ 14–15, apice rotundati, paraphysibus virescentibus, filiformi-clavatis obvallatis, octosporis; sporidiis ellipsoideis, 12–14 ≈ 5–6, 2-guttulatis hyalinis.

175. **Cenangium pithyum** (Fr.) Fckl. Symb. mycol. p. 269.

Hab. in ramulis corticatis emortuis Abietis in sylva *Cansiglio,* Aug. 1878 (Spegazzini).

Obs. Asci cylindraceo-clavati 100 ≈ 18, paraphysibus bacillaribus obvallati, sporidiis spermatioideis curvulis 3 ≈ $^1/_2$ inaequalibus hyalinis farcti. Ascomata hinc inde aggregata, atronitentia.

***C. juniperinum**: asci 80–90 ≈ 10–11, ceterum typo similes, aequaliter paraphysati et myriospori. Ascomata similia, v. paulo majora, opace nigra.

Hab. in cortice trunci Juniperi communis in sylva *Cansiglio,* Aug. 1878.

176. **Pezicula rhabarbarina** (Berk.) Tul. III. 183. Fckl. Symb. 278. *Patellaria rhabarbarina* Cke Hndb. p. 717. ubi synonyma.

Hab. in sarmentis putrescentibus Rubi fruticosi in collibus Euganeis, vere 1878.

Obs. Asci cylindraceo-clavati, breve crasseque stipitati, 110 ≈ 18, paraphysibus filiformibus apice subincrassatis obvallati, octospori; sporidia oblongo-cylindracea, utrinque rotundata, 18–20 ≈ 6–7, curvula, granulosa, hyalina. Ascomata patellulata, flavo-fulva, pilis clavulatis flavis adspersa.

177. **Trochila Populorum** Dmz. Exs. III. 451.

Hab. in pagina inferiore foliorum Populi pubescentis *a Conegliano*, Majo 1877. (Spegazzini).

Obs. Ascomata discoidea, atra, erumpentia, minuta. Asci clavati, 70–80 ≈ 15, breve stipitati, apice, tunica integra, obtusiusculi, paraphysibus bacillaribus obvallati, 8spori. Sporidia disticha, oblongo-ellipsoidea, 12–15 ≈ 5–6, utrinque subrotundata, 2-guttata, hyalina.

178. **Trochila prominula** S. & S. Ascomatibus laxe gregariis, innatis, dein, epidermide operculatim disrupta, erumpenti-prominulis, patellulatis, concaviusculis, atris, 1/5 mill. diam., margine rectiusculo; excipuli contextu laxe parenchymatico, fuligineo; ascis clavatis, 65–70 ≈ 10–12, breve sensim stipitatis, apice obtusatis, paraphysibus filiformibus apice subincrassatis, obvallatis, octosporis; sporidiis distichis, ovoideo-sub-oblongis, 18–20 ≈ 6, utrinque obtusiusculis rectis curvulisve, crasse 2-guttatis, hyalinis.

Hab. in foliis Juniperi Sabinæ v. affinis emortuis *a Conegliano*, æstate 1877. (Spegazzini).

179. **Trochila diminuens** Karst. Mycol. Fenn. I. 248. ***T. crastophila.**

Hab. in foliis languidis Moliniæ cæruleæ *a Conegliano*, Junio 1878.

Obs. Ascomata orbiculari-ellipsoidea, innata et epidermide diu velata, nigricantia 1/4 mill. longa; asci fusoideo-elongati 55–60 ≈ 10 brevissime stipitati, paraphysibus bacillaribus, septulatis 65–70 ≈ 4–5, apice clavula crassiuscula terminatis obvallatis, octospori; sporidia disticha, cylindracea, utrinque obtusiuscula 16–18 ≈ 3–4, crasse 2-guttata, hyalina. A typo præcipue ascomatibus margine integris nec laceris distingui videtur. — *Micropeziza subvelata* Rehm habitu huic affinis videtur, sed ascos ejus reperire non potui in exemplaribus Rehmianis.

180. **Stegia dumeti** S. & S. Ascomatibus disciformibus, immersis dein epidermide operculatim disrupta parum emergentibus, subcinereis, margine denique paululum elevato pallidiore, ascis cylindraceo-clavatis 50–60 ≈ 7–8, breve stipitatis, initio apice cuspidatis, mox cu-

spide amissa, obtusiusculis, pseudoparaphysibus cylindraceo-cuspidatis obvallatis; sporidiis octonis (an quandoque pluribus?) cylindraceis, 6–7 ✻ 1, rectiusculis, utrinque obtusiusculis, hyalinis.

Hab. in sarmentis emortuis Rubi fruticosi *a Conegliano,* vere 1877. (SPEGAZZINI).

Obs. Ob epidermidem supra ascomata circulariter scissam nec non ob fabricam ascomatis generi *Stegiæ* adscribenda species, etsi ramulicola.

181. **Nævia lætissima** (Ces.) Fckl. Symb. mycol. pag. 249.

Hab. in caulibus ramisque emortuis Equiseti palustris *a Conegliano,* vere 1877. (SPEGAZZINI).

Obs. Asci immaturi cylindraceo-clavati breve stipitati, 80 ✻ 8, paraphysati. Sporidia non vidi. Ascomata minuta, patellaria, erumpentia, miniata, diaphana.

182. **Propolis faginea** (Schrad.) Karst. Fenn. I. 244 f. **strobilina** Dmz. — f. **cinerascens** (Pers.) — f. **nivea** Fr. (= *P. versicolor* Fr. f. *nivea* Cfr. Mich. I. 61).

Hab. prior in squamis strobilorum Pini sylvestris *a Susegana,* Aug. 1877, altera in ramulis salicinis *a Montebelluna,* Aug. 1877. (SPEGAZZINI).

183. **Stictis minima** S. & S. Ascomatibus immersis, minimis, vix $^1/_{10}$–$^1/_8$ mill. diam., margine exiguo integro albicante, excipulo laxe parenchymatico fuscidulo matricem circum circa breve atroinquinante, disco infosso, dilutissime roseo; ascis cylindricis, 160–190 ✻ 5–$6^1/_2$, breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis asci longitudine, filiformibus 1 micr. cr. continuis, hyalinis.

Hab. in caule putrescente Lamii Orvalæ *a Conegliano,* vere 1877.

Obs. I. A speciebus affinibus minutie et excipuli fabricà distincta species videtur.

Obs. II. Egr. C. SPEGAZZINI in collibus Euganeis prope *Bressèo,* Febr. 1878 legit bene evolutam *Stictidem Populam* Fr. (Mich. I. 61) f. *Fraxini Orni:* ascomatibus immersis, denique urceolatis, intus nigricantibus, mar-

gine prominulo griseo subpruinoso; ascis cylindricis 150–180 * 8, paraphysatis, octosporis; sporidiis filiformibus ascum subaequantibus obsolete septatis, hyalinis.

184. **Stictis arundinacea** Pers. Mycol. eur. I. 336. *Schmitzomia arundinacea* (Pers.) Karst. Fenn. I. 239.

Hab. in culmis putrescentibus Andropogonis Ischæmi *a Selva* et *a Conegliano*, Sept. 1877.

Obs. Ascomata demum emergentia, margine et extûs albido-furfuracea, disco concaviusculo, sordido v. nigricante. Asci cylindrici 200 * 6–7, copiosissime paraphysati, apice obtusati. Sporidia ascum subaequantia filiformia, 1 $^1/_2$ micr. crass., hyalina.

185. **Schizoxylon æruginosum** Fckl. Symb. mycol. 251.

Hab. in ramulis Robiniæ Pseudacaciæ putridis *a Conegliano*, æstate 1878 (C. Spegazzini).

Obs. Ascomata erumpentia, disciformia, cortice laciniatim fisso cincta, viridi-æruginosa, margine albicante. Asci cylindracei, apice rotundati, breve stipitati 150–180 * 8–10, paraphysibus filiformibus obvallati, octospori. Sporidia filiformia mox in articulos cylindraceos utrinque obtusos, minute 1–2–guttulatos, longitudine varios (4–12 * 2–3) hyalinos dilabentia.

186. (*) **Pyrenopeziza? castanea** Sacc. Ascomatibus gregariis superficialibus, sessilibus, $^1/_3$–$^1/_2$ mill. diam., concavis, obtuse marginatis siccis non contractis, hyphis repentibus basi cinctis, excipuli contextu parenchymatico ad marginem prosenchymatico; ascis cylindraceo-clavatis, breve stipitatis, 70–80 * 9–10, apice rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis fusoideis rectis, curvulisve 15 * 4, (spurie?) 1–septatis, non constrictis, hyalinis.

Hab. in ligno decorticato putrescente Castaneæ vescæ in Euganeis *a Bressèo*, Martio 1878.

Obs. Ob sporidia 1–septata, hyphulis circa ascomata &c. statim dignoscitur, at vix huic generi spectat.

(*) Genera Pezizearum hucusque ut plurimum ad normam Fuckelii admisi: in tribus vero generali revisione, quæ in mente est, non parum reformanda et reducenda fore videntur.

187. **Pyrenopeziza pusilla** S. & S. Ascomatibus gregariis, initio epidermide subvelatis, sphærioideis, dein semierumpentibus, scutellaribus, vix $^1/_4$ mill. diam., ubique atris; parce hiantibus; contextu excipuli minute parenchymatico, circa marginem prosenchymatico olivaceo-fuligineo; ascis subclavatis, breve stipitatis, 55–65 ≈ 7, obsolete paraphysatis, octosporis; sporidiis oblique monostichis ovato-oblongis, 8–10 ≈ $3^1/_2$–$4^1/_2$, guttulatis, hyalinis.

Hab. in caule emortuo Menthæ *a Conegliano*, aut. 1877.

Obs. Affinis *P. Gentianæ* (Pers.) Fckl. sed matrix non nigrificata &c.

188. **Pyrenopeziza Rubi** (DNtrs.) Rehm, *Mollisia atrata* * *Rubi* Karst. *Trochila Rubi* DNtrs.

Hab. in sarmentis Rubi fruticosi putrescentibus *a Conegliano*, aut. 1877. (SPEGAZZINI).

Obs. Excipuli contextus parenchymaticus, ad marginem breve prosenchymaticus totus fuligineo-ater, cellulis nonnullis prominentibus et saturatioribus. Asci clavato-cylindracei, 40 ≈ 7, paraphysibus bacillaribus obvallati, octospori: sporidia disticha oblongo-cylindracea, 8–10 ≈ $1^1/_2$, hyalina. Ascomata demum tota atra et sicca varie complicata.

189. **Pyrenopeziza Plantaginis** Fckl. Symb. mycol. p. 294.

Hab. in foliis scapisque Plantaginis lanceolatæ putrescentibus *a Conegliano*, æstate 1878. (SPEGAZZINI).

Obs. Asci cylindracei breve stipitati, 35–40 ≈ 7–8, octospori; sporidia disticha, fusoidea, 12–15 ≈ 4, 2-guttulata, granulosaque, hyalina — *P. atratæ* affinis.

190. **Pyrenopeziza acicola** S. & S. Ascomatibus sparsis erumpenti-superficialibus, totis atris, duriusculis, $^1/_4$ mill. d. concaviusculis; contextu obsolete celluloso, ad marginem radiante ochraceo: ascis cylindricis brevissime stipitatis, paraphysatis, 40–45 ≈ 6, octosporis; sporidiis oblique monostichis bacillari-clavulatis, 7–$8^1/_2$ ≈ 1–$1^1/_2$, curvulis, hyalinis.

Hab. in acubus putridis **Pini sylvestris**, *a Susegana*, Jan. 1878.

PIROTTÆA Sacc. nov. gen. [*]). Ascomata superficialia v. erumpenti-superficialia, sessilia, scutellata, subcarbonacea, nigra, setulis rigidis vestita. Asci octospori, sporidiis oblongatis, continuis hyalinis. — Habitus Pyrenopezizæ sed ascoma setigerum.

191. **Pirottæa Veneta** S. & S. Ascomatibus subsuperficialibus, gregariis, scutellatis, sessilibus, $^1/_6$–$^1/_5$ mill. diam., aterrimis, in sicco subclausis, setulis cuspidatis, 40–50 ⁎ 5, parce septatis, obscure fuligineis (ad marginem crebrioribus) vestitis; excipuli contextu distincte parenchymatico, atro, cellulis facile secedentibus; ascis cylindraceo-clavatis, 40–45 ⁎ 8, apice obtusiusculis, subsessilibus, paraphysibus bacillaribus obvallatis, octosporis; sporidiis cylindraceis, utrinque rotundatis, 14–15 ⁎ 2-2 $^1/_2$, 2-guttulatis, hyalinis.

Hab. in caule, rarius foliis emortuis **Hellebori viridis** *a Conegliano,* vere 1878.

192. **Niptera melaleuca** (Fr.) Fckl. Sacc. F. V. Ser. IV. 31. ***N. echinicola**. Ascomatibus adnato-sessilibus, gregariis, $^1/_2$–$^1/_3$ mill. diam., concavis, fuscis, disco margineque pallidioribus; excipuli contextu parenchymatico, ad marginem prosenchymatico fuligineo: ascis cylindraceo-clavatis, 50–60 ⁎ 7–8, breviter stipitatis, apice rotundatis, paraphysatis, octosporis; sporidiis distichis, v. oblique monostichis, 8–10 ⁎ 2–3, clavulatis v. sub-fusoideis, brevissime curvis, hyalinis.

Hab. in spinis capsularum putrescentium **Castaneæ vescæ**, Aug. 1877, *a Susegana* (SPEGAZZINI).

193. **Niptera cinerea** (Batsch) Fckl. Sacc. Mycol. Ven. 162.

Plures formas, forte specifice distinguendas observavi:

a. *luteola:* ascomatibus griseis $^3/_4$ mill. diam. margine undulato, disco amoene cerino; ascis clavulatis 25–35 ⁎ 4–5; sporidia oblongo-cylindracea, 2-guttulata, 5–

[*]) Novum genus egregio mycologo et amico optimo Doct. R. PIROTTA in Universitate Ticinensi adjuncto dicatum.

6 × 1–1 $^1/_4$. — In ramis decorticatis Castaneæ vescæ, *a Conegliano*, aut. 1877 (SPEGAZZINI).

b. *grisella:* ascomatibus minutis, depressis $^1/_3$ mill. diam., griseis, disco pallidiore; ascis clavulatis 40–45 × 4; sporidia cylindracea, 9–10 × 1$^1/_4$–2, 2-guttulata, recta. — In caulibus Eupatorii cannabini, *a Conegliano,* Majo 1877. (SPEGAZZINI).

c. *culmina:* ascomatibus depressis $^1/_2$ mill. diam., aquose albidis extus fuscidulis; ascis cylindraceo–clavulatis, 35–45 × 3$^1/_2$-4; sporidiis cylindraceis, curvulis, 5–6 × 1$^1/_2$–In culmis putrescentibus Triticorum *a Selva,* aut. 1877.

d. *donacina*: ascomatibus depressis $^1/_2$ mill. diam., sordide albis, extus nigricantibus; ascis clavatis, 40 × 5$^1/_2$; sporidiis cylindraceis curvulis, 10 × 1$^1/_2$, 2-guttatis — In culmis Arundinis Donacis putrescentibus *a Conegliano,* aut. 1877 (SPEGAZZINI).

e. *caricina:* ascomatibus depressis $^1/_3$ mill. diam. cinereo-albis, extus fuscescentibus; ascis clavato–fusoideis 55–60 × 5; sporidiis fusoideo–cylindraceis, 10–12 × 1$^1/_2$–2, 2-nucleatis, curvulis. — In foliis Caricis glaucæ *a Susegana,* Aug. 1877 (SPEGAZZINI).

f. *olivascens:* ascomatibus depressis, undulatis, fuscescentibus, disco atro-olivaceo; ascis cylindraceo–clavatis, 60 × 5; sporidiis cylindraceo-fusoideis, 8–10 × 2–2$^1/_2$, subinæquilateralibus — In ligno putri quercino in Sylva Montello, Aug. 1874.

g. *macrosperma*: ascomatibus griseo–fuscis, majusculis; ascis clavatis, 60 × 10–12, paraphysibus quandoque furcatis obvallatis; sporidiis cylindraceis curvatis, 12–14 × 2–3, 2–nucleatis, hyalinis.

Hab. in ligno putri *a Padova,* Dec. 1872, socio *Nematogonio aurantiaco.*

194. **Niptera stictella** S. & S. Ascomatibus gregariis, initio peridermio velatis dein erumpentibus, denique prorsus superficialibus, scutellatis, undulatis, sessilibus, ceraceis, siccis contortis, disco concaviusculo sordide lutescente; excipuli contextu parenchymatico ad marginem prosenchymatico fuligineo: ascis cylindra-

ceo-clavatis, brevissime noduloso-stipitatis, 55–65 × 6–7, paraphysibus bacillaribus obvallatis, octosporis; sporidiis oblique monostichis v. distichis, oblongo-cylindraceis, clavulatisve, 8–14 × 2–3, granulosis, hyalinis.

Hab. in ramulis Alni incanæ emortuis, *a Pieve di Soligo*, æstate 1877.

Obs. Affinis *Nipteræ cinereæ* a qua imprimis ascomatibus initio tectis statim dignoscitur, et Sticteis accedit.

195. **Helotium arundinellum** S. & S. Ascomatibus gregariis minutissimis, sessilibus, concaviusculis, $^1/_6$ mill. d., pallidis, extus tomentello-furfuraceis, disco sordide luteolo; ascis cylindraceo-clavatis, 40 × 5–6, breve crassiuscule stipitatis, apice obtusiusculis, paraphysibus bacillaribus, guttulatis, octosporis; sporidiis distichis v. oblique monostichis, cylindraceo-oblongis utrinque rotundatis, curvulis, 8–10 × $1^1/_2$–2, 2-guttulatis, hyalinis.

Hab. in vaginis Arundinis Donacis putrescentibus *a Conegliano*, Aug. 1878.

Obs. *Hel. micaceo* (Pers.), *H. microspi* Karst., *H. parvulo* (DNtrs.) &c. affine sed notis nonnullis satis diversum.

196. **Helotium papillare** (Bull.) Karst. Mycol. Fenn. pag. 160 *Peziza papillaris* Bull. Champ. t. 467 fig. 1.

Hab. in ligno decorticato putri Piri Mali *a Padova*, Dec. 1877.

Obs. Ascomata patellaria, sessilia, concaviuscula, albohyalina, dein straminea, velutina, margine obtuso subgranulato, pilis marginalibus filiformibus, 50 × $2^1/_2$, sursum asperalis, dilute ochraceis. Asci cylindraceo-clavati, 60 × 8, apice obtusiusculi, breve stipitati paraphysati, octospori; sporidia disticha oblongo-clavulata, 10–12 × $2^1/_2$–3, deorsum acutata, 2-guttulata, hyalina.

197. **Helotium punctatum** (Grev.) Fr., Michelia 1. 68. ***robustellum**.

Hab. in foliis dejectis et arescendo (ob mycelium?)

aurantiaco coloratis quercinis in sylva Montello, Oct. 1878.

Obs. A typo l. c. descripto ascomatibus majoribus, eximie margine sinuosis, ascis sporidiisque duplo majoribus (nempe primis 60 ≈ 7–8, postremis clavulato–bacillaribus 12–15 ≈ $1^1/_4$–1–$^3/_4$) recedit. Exciputi contextus anguste parenchymaticus, fuscescens ad marginem extusque prosenchymatico–spinulosus, dilutior.

198. **Helotium trabinellum** Karst. Fenn. I. 126.

Hab. in ligno putri decorticato *a Conegliano*, Majo 1877 (Spegazzini).

Obs. Ascomata breve obconica, disco sub plano, ex incarnato succineo, marginato, extus conspicue pallidiora, $^1/_2$–$^3/_4$ mill. diam., excipulo prosenchymatico pallido; asci clavati, 80–90 ≈ 7–8, apice rotundati; stipitati, p. s. 60 lga. paraphysibus clavulatis obvallati, octospori; sporidia disticha oblonga v. breve fusoidea, subrecta, 8–10 ≈ 2–3, 2–nucleata, spurieque 1–septata, hyalina.

199. **Helotium Cacaliæ** (Fr.) ***H. fumigatum** S. & S. Ascomatibus gregariis, concavis, stipitatis, $^1/_2$–$^3/_4$ mill. altis et latis totis fuscescentibus margine in sicco connivente pallidiore, extus levibus v. obsolete striatulo; excipuli contextu prosenchymatico, fuscidulo; ascis cylindraceo–clavatis, 60 ≈ 56, apice rotundatis, deorsum acutato–stipitatis, paraphysatis, octosporis; sporidiis distichis, cylindraceis, utrinque obtusiusculis, 8–9 ≈ $1^1/_4$–$1^1/_2$, rectis v. curvulis, 2–guttulatis, granulosiæve hyalinis.

Hab. in ramulis emortuis Catalpæ syringifoliæ *a Conegliano*, Majo 1877.

Obs. Helotio Cacaliæ sec. descript. affine videtur. *Peziza fumosa* Fr. Summa pag. 353 e loco forte huic quoque affinis; sed ubi descripta?

200. **Helotium Scutula** (Pers.) Karst. ***epicalamium** Karst. Fenn. I. 111.

Hab. in culmis vaginisque graminum majorum *a Conegliano* (Spegazzini) et *a Sermide prov. di Mantova* (Magnaguti-Rondinini).

Obs. Ascomata tenella, stipite mediocri subtili fulta, pallide lutescentia. Asci cylindraceo-clavati 70–90 ✱ 10, paraphysati, octospori. Sporidia cylindraceo-fusoidea, curvula, 15–18 ✱ 3–3½, 2–4-guttata, hyalina.

201. **Ciboria firma** (Pers.) Fckl. Symb. p. 312. *Peziza firma* Pers. *Rutstrœmia firma* (Pers.) Karst. Fenn. I. 108 ***C. macrospora**: ascis majoribus, nempe 150 ✱ 15–16, clavatis, apice obtusatis, paraphysibus filiformibus sursum incrassatis obvallatis, octosporis; sporidiis majoribus, nempe 25–28 ✱ 7, oblongo-fusoideis, sæpe curvulis, 2–guttatis, hyalinis.

Hab. foliis galbulisque putrescentibus Juniperi communis *a Conegliano*, Aut. 1877 (Spegazzini).

202. **Lachnella macrochæta** Speg. in Thüm Pilz. d. Weinst. p. 78.

Hab. in sarmentis emortuis Vitis viniferæ *a Conegliano*, Majo 1877.

Obs. Asci cylindracei, 50–55 ✱ 4½-5¼, apice rotundati, paraphysati, octospori; sporidia fusoidea utrinque acutiuscula, 7-10 ✱ 1½-2½, 2-guttulata, hyalina. Ascomata spadiceo-fusca, setulis filiformibus, flexuosis, 100-200 ✱ 3-4, septatis olivaceo-fuligineis vestita.

203. **Hyalopeziza ciliaris** (Schrad.) Fckl., Sacc. Mich. I. 67. ***H. pulchella**: ascomatibus ut in typo sed disco amœne flavo; setulis asperulis, articulatis, 70-80 ✱ 5-7; ascis cylindraceo-clavatis 60–70 ✱ 7-8, paraphysatis, 8sporis; sporidiis distichis, fusoideis, utrinque acutiusculis 24-27 ✱ 2-3, 2-guttulatis, hyalinis.

Hab. in foliis dejectis quercinis *a Conegliano*, vere 1878 (Spegazzini).

204. **Calloria coccinella** (Somm.) Fr., Sacc. F. V. ser. IV. p. 30.

Hab. in ligno carioso stromate quodam nigrificato *a Selva*, aut. 1878.

Obs. Ascomata patellulata, tremelloidea, ¼ mill., vix marginata, sanguinea, contextu laxe cellulari, carneo. Asci cylindrici, 35-40 ✱ 5, breve stipitati, paraphysibus, filiformibus simplicibus, furcatisve apice capitatis

obvallati, octospori. Sporidia ovato-oblonga, 4-5 ✱ $2^1/_2$, 2-guttulata, hyalina.

205. **Calloria coccinella** (Somm.) Fr. ***C. delicatula** Karst. Myc. Fenn. p. 98.

Hab. in ligno putri carioso in sylva *Cansiglio*, Aug. 1878.

Obs. Ascomata typo similia sed paullo majora. Asci et paraphyses quoque similes. Sporidia brevius ovata, 4–5 ✱ 3, crassiuscule 2–guttulata, hyalina.

206. **Calloria rubicunda** S. & S. Ascomatibus gregariis, subsuperficialibus, patellato-disciformibus, $^1/_3$-$^1/_2$ mill. diam. ceraceo-mollibus, disco convexiusculo, minute marginatis, ambitu circulari v. subundulato, amœne et vivide rubicundis, udis nonnihil expallentibus; contextu excipuli tenui laxeque parenchymatico roseo; ascis cylindraceo-clavatis, breve crasseque stipitatis, 38 ✱ 7, apice rotundatis, paraphysibus bacillaribus obvallatis, octosporis; sporidiis distichis v. inordinatis oblongo-cylindraceis, 7–10 ✱ $1^1/_2$-2, subclavulatis, interdum minute 2–guttulatis, hyalinis.

Hab. in pagina inferiore foliorum putrescentium Hellebori viridis *a Conegliano*, Aprili 1877.

Obs. Habitatione peculiari et colore vivido species prædistincta.

207. **Calloria inflatula** (Karst.) Sacc. *Orbilia inflatula* Karst. Mycol. Fenn. I. 100.

Hab. in ligno putri *a Selva*, Oct. 1877.

Obs. I. Ascomata patellato-applanata, subtremelloidea, 1 mill. diam., sordide lutescentia, sicca tenui-cartilaginea. Asci cylindracei, subsessiles, 18–20 ✱ 2–3, apice obtusi, paraphysibus nullis visis, octospori. Sporidia cylindracea, curvula, 5–8 ✱ $^1/_2$–$^3/_4$, hyalina.

Obs. II. *Calloriam chrysocomam* (Bull.) Fr. quam immaturam citavi in F. V. Ser. IV. 31., iterum legit *a Conegliano* cl. Spegazzini aut. 1877 in ramis corticatis Mori albæ. In hac ascomata gregaria, superficialia, applanata, subtremelloidea, vix $^1/_2$ mill. diam., aurea; asci cylindracei; subsessiles 40–45 ✱ 5, apice obtusiusculi, paraphysibus brevibus bacillari-

bus, sursum clavulatis obvallati, octospori; sporidia bacillaria, curvula, 14–15 ≈ $^3/_4$–1, hyalina. Ab hac specie parum differt *Orbilia luteo-rubella* (Nyl.) Karst. Fenn. I. 101, seu *Peziza luteo-rubella* Nyl. Obs. p. 55.

208. **Calloria succinella** Sacc. Mich. I. 62. — ***C. racheophila** S. & S. Ascomatibus gregariis sessilibus patellari-applanatis vix marginatis, vix $^1/_2$ mill. diam., udis subtremellosis, roseo-miniatis, glabris; contextu excipuli laxe et tenui parenchymatico roseo; ascis cylindraceo-clavatis, 45–50 ≈ 5–5$^1/_2$, apice rotundatis, breve stipitatis, paraphysibus filiformi-clavulatis obvallatis, octosporis: sporidiis cylindraceis, curvulis rectisve, utrinque obtusiusculis, 10–12 ≈ 1$^3/_4$–2, hyalinis.

Hab. in rachide spicæ putrescentis Zeæ Maydis *a Conegliano*, vere 1878.

Obs. A typo ascomatibus majoribus rubellis, sporidiis longioribus differt; ab *Orbilia luteo-rubella* (Nyl.) Kast., differt ascomatibus carneo-miniatis, paraphysibus non capitatis, habitatione aliena &c.

209. **Peziza** (Humaria) **theleboloides** A. & S. Lusat. 322 t. 12 f. 4., Cke Mycogr. fig. 151 (ascomata nimis expansa).

Hab. in fimo humano *a Conegliano,* vere 1878 (SPEGAZZINI).

Obs. Ascomatis setulæ 100–200 ≈ 20 (in basi), sursum attenuatæ, parce septatæ chlorinæ. Asci cylindracei, 100–110 ≈ 10, longiuscule stipitati, paraphysibus filiformibus septulatis, apice leniter incrassatis, 150–180 ≈ 5, obvallati, 8spori; sporidia monosticha, ovoidea, 14–16 ≈ 6–7, hyalina.

210. **Peziza** (Humaria) **Crouani** Cke Mycogr. t. 5 fig. 17. *Crouania miniata* Fckl., *Lamprospora miniata.* DNtrs., *Peziza Polytrichi* Karst.

Hab. inter muscos in colle Euganeorum *Venda,* vere 1878.

Obs. Ascomata duriuscula, patellaria, miniata: cellulæ excipuli marginales cylindraceo-clavatæ, subochraceæ. Asci cylindrici longissimi 16–17 micr. cr. apice rotundati, paraphysibus bacillari-clavulatis, gra-

nulosis obvallati, octospori; sporidia sphærica, 15–16 micr. diam., 1-nucleata, tandem areolato-asperula, hyalina.

211. **Peziza** (Humaria) **umbrarum** (Fckl.) Cke Mycogr. fig. 138.

Hab. in terra sabulosa uda *a Conegliano*, æstate 1878 (Spegazzini).

Obs. Ascomata scutellata, 2-3 rarius usque 5 mill. diam., rubentia, setulis cuspidatis 150–200 * 25, 2–3–septatis fuligineis ciliata. Asci cylindrici 250–280 * 25, p. s. 180 lga, paraphysibus filiformi-clavulatis, flavido-guttulatis obvallati, octospori. Sporidia monosticha ellipsoidea 18–22 * 12–15, exquisite tuberculata, hyalina.

212. **Peziza** (Aleuria) **carbonaria** A. & S., Cke Mycogr. fig. 284. Rabh. Mycol. Europ. Pez. p. 7. t. 4. fig. 4. Karst. Myc. Fenn. I. p. 4.

Hab. in areolis carbonariis in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Ascomata breve stipitata, intus subcarnea extus pallide flavicans v. subochracea. Asci cylindracei, p. s. 100–120 * 12, paraphysibus sursum clavulatis flavidis obvallati, 8spori. Sporidia oblique monosticha, ovoidea, 15–18 * 8–10, 1-guttata, hyalina.

213. **Peziza** (Otidea) **onotica** Pers. Syn. p. 637. Cke Mycogr. t. 210. *Otidea onotica* (Pers.) Fckl. Symb. 329.

Hab. ad terram humosam inter acus pineos in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Asci cylindracei p. s. 80–90 * 8, stipite 40 lgo, paraphysibus filiformi-clavulatis obvallati, octospori. Sporidia oblongo-ellipsoidea, utrinque rotundata, 10–12 * 5–6, 2-guttulata, hyalina.

214. **Peziza** (Otidea) **Auricula** (Schäff.) Cke Mycogr. t. 213. *P. leporina* Karst Mycol. Fenn. I. 41 p. p. *P. Auricula* Schäff. Ic. t. 156 p. p.

Hab. ad rupes udas in radicibus Bartramiæ in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Asci cylindrici 280–300 * 14, p. s. 150 lga.

paraphysibus filiformi-clavulatis fuscescentibus obvallati, octospori. Sporidia ellipsoidea, 20–24 ≈ 12–14, utrinque obtuse rotundata, crasse 1-guttata, e fuscidulo hyalina.

215. **Peziza** (Leucoloma) **humosa** Fr., Cke Mycogr. tab. 25 (non *Crouania humosa* Fckl. Rhem et Sacc. quae *Peziza Constellatio* Cke Mycogr. tab. 81–82.

Hab. in terra sabulosa uda et detritis *a Conegliano*, Aug. 1878 (Spegazzini).

Obs. Asci cylindracei 200 ≈ 18, stipitati, paraphysibus apice clavatis rubro-granulosis obvallati, octospori. Sporidia ellipsoidea, 20–22 ≈ 12–14, nubilosa, hyalina, levia.

216. **Pyronema Franzonianum** DNtrs., Sacc. F. V. ser. IV. 38 ***P. rhopalascum**: ascomatibus gregariis, patellari-convexulis vix marginatis, miniatis glabriusculis; ascis cylindraceo-clavatis, apice rotundatis, 100–110 ≈ 20–22, paraphysibus bacillari-clavatis, distincte constricto-septatis obvallatis, octosporis; sporidiis distichis elongato-ellipsoideis, 18–20 ≈ 10, hyalinis.

Hab. in charta solida (*cartone*) zeina putri *a Conegliano*, vere 1877 (Spegazzini).

Obs. Ascis clavatis crassioribus, nec non paraphysibus articulatis, denique in articulos secedentibus a typo differre videtur.

217. **Ascophanus Holmskjoldii** Hans. F. fim. dan. pag. 12 t. VI fig. 9–13.

Hab. in fimo vaccino *a Costa* (*Vittorio*), vere 1878 (Spegazzini).

Obs. Ascomata cinereo-rubentia, furfurella. Asci elongato-fusoidei, p. s. 180–200 ≈ 30–35, stipite 100 lgo, paraphysibus filiformibus jodo coerulascentibus obvallati, octospori, sporidia disticha oblongo-ellipsoidea 30 ≈ 13–14, minute asperula, utrinque appendiculâ rotundatâ aucta stratoque mucoso obvoluta, flavido-guttulata, hyalina. Sec. Hans. l. c. ex appendiculis setulae fasciculatae oriuntur, sed has distincte non vidi.

Gymnoascaceæ (*Wünsche*).

218. **Exoascus Tosquinetii** (West.) Sacc. *Ascomyces Tosquinetii* West., Kx. Tl. II. 315. *Taphrina alnitorqua* Tul. *Exoascus Alni* dBy.

Hab. in foliorum vivorum pagina sup. Alni glutinosæ *a Conegliano* Junio, 1877 (Spegazzini).

Obs. I. Asci cylindraceo-clavati, basi truncati, apice rotundati, 35–40 ∗ 12; sporidia octona sphærica subdisticha, 1-nucleata, 4 micr. diam., hyalina; adsunt quandoque simul cum dictis sporidiis octonis corpuscula spermatioidea oblonga 5–6 ∗ $1^{1}/_{2}$–2, hyalina.

Obs. II. Oct. 1877 legi *a Vittorio* denuo et perfectum *Ascomycetem aureum* in foliis Populi nigræ; ascis cylindraceis, 100 ∗ 22, crasse stipitatis apice truncatis, polysporis; sporidiis ovoideis 4–6 ∗ $2^{3}/_{4}$ –$3^{1}/_{2}$, hyalinis.

Myxomyceteæ *de Bary*.

219. **Lycogala flavo-fusca** Ehr., Cke & Rost. British Myx. p. 76.

Hab. in fragmentis ligneis inter muscos in alpibus Cadubriae *a Zoldo*, aut. 1877 (Spegazzini).

Obs. Sporidia globulosa, 5–6 micr. diam., minutissime asperula, dilute argillacea.

220. **Physarum compressum** A. S. Lus. p. 97.

Hab. in culmis putridis Sorghi *a Padova*, Junio 1877.

Obs. Peridia longitudinaliter compressa, ambitu rotundata, sed ob basim excavatam reniformia, minute cinereo-furfuracea, vix 1 mill. lata, stipite $^{3}/_{4}$–1 mill. lg. cylindraceo, striatulo, fusco, diu persistente instructa. Columella subnulla. Capillitium ex floccis hyalinis hinc inde massulis calcareis lutescentibus oblongis incrustati; sporidia globulosa v. obtuse angulosa, 11–13 diam., granulosa, guttulata, atroviolacea. Ad speciem citatam — a cl. Rostafinski non descriptam — pertinere videtur, sed hoc affirmari nequit.

221. **Enteridium olivaceum** Ehrb., Cke & Rost. Brit. Myx. p. 56 *Reticularia versicolor* Fr., *R. olivacea* Fr., *R. applanata* B. & Br.

Hab. in ramulis Rhamni catharticæ putridis *a Selva et Belluno.* Sept. 1878.

Obs. Peridia valde applanata, initio rubentia dein fusco-olivacea, membrana persistente nitidula tecta, hypothallo subargenteo radiante cincta; sporæ in massulas aggregatæ, globoso-angulosæ, 10–12 micr. d. minutissime asperulæ, olivaceo-fuscellæ.

Melanconieæ Cda.

222. **Myxosporium incarnatum** (Dmz.) Bon. Hndb. p. 56. *Nemaspora incarnata* Dmz. Næm. t. VI fig. 2 (1830).

Hab. in ramis corticatis Gleditschiæ Triacanthi *a Padova,* Apr. 1876.

Obs. Acervuli epidermide velati, varie extensi, applanati v. vix tumiduli, incarnati. Conidia obovoidea v. obpyriformia 15–20 ⁎ 8–10 granulosa, dilute carnea, basidiis filiformibus 20–24 ⁎ 2 suffulta.

223. **Myxosporium croceum** (Pers.) Link., Cda Ic. fung. I. p. 1 fig. 6. *Nemaspora crocea* Pers. Dmz. Næm. t. VI fig. 3.

Hab. in ramulis dejectis (Fagi?) *a Conegliano,* aut. 1877 (Spegazzini).

Obs. Acervuli epidermide initio velati, dein superficiales, depresso-pulvinati, aurantiaci. Conidia copiosissima, pleraque globosa v. subglobosa 11–15 micr. diam., rarius ovoidea v. oblonga maxima, nempe 35–50 ⁎ 35, omnia crassiuscule tunicata levia, minute granulosa, e roseo hyalina. Basidia non vidi. Cl. Fries S. M. III. 479 fingit hanc esse formam alteram *Libertellæ fagineæ* Dmz. conidiis falciformibus ornatæ, quod revera naturæ contrarium videtur.

APPENDIX

sistens species sub impressione fasciculi observatas.

Hymenomyceteæ *Fr.*

224. **Agaricus** (Pleurotus) **Eryngii** DC., Vitt. It. t. 10 f. 2.

Hab. in pratis ad radices Eryngii *a Povegliano, Camalò* &c. in agro Tarvisino, Oct. 1878. Vulgo: Cavarese de prà. Edulis.

Obs. Basidia cylindraceo-clavata 50 ≈ 8, apice tetraspora. Sporæ ovato-oblongæ, 7–9 ≈ $3^1/_2$, deorsum acutiores, granulosæ, hyalinæ.

225. **Agaricus** (Pleurotus) **salignus** Pers., Fr. Hym. Europ. p. 174, Tratt. Austr. t. 4. fig. 8.

Hab. in trunco dejecto quercino in sylva *Montello*, Oct. 1878.

Obs. Sporæ ovato-oblongæ, sæpe curvulæ, 10–11 ≈ 4–$4^1/_2$, quandoque 1–guttatæ, hyalinæ.

226. **Agaricus** (Tricholoma) **polyphyllus** DC. Fl. Fr. VI 50, Fr. Hym. Europ. p. 56.

Hab. in uliginosis *a Selva*, Oct. 1878.

Obs. Pileo umbrino-rufo, initio margine copiose albo-cortinato, lamellis sordidis, sporis sub-globosis 6–7 ≈ 5, 1–guttatis, hyalinis tute distinguenda species.

227. **Agaricus** (Mycena) **rosellus** Pers., Fr. Hymen. p. 132. Gonn. & Rabh. Mycol. Europ. t. 7. fig. 11.

Hab. in herbosis et muscosis *a Selva*, Oct. 1878.

Obs. Lamellis roseis acie anguste atro-marginatis hæc species imprimis dignoscitur.

228. **Agaricus** (Mycena) **lacteus** Pers. — Bull. Champ. t. 563 f. N., Fl. dan. t. 1845 f. 1.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878.

Obs. Totus candidus; pileus usque $2^1/_2$ cent. latus; stipes 3 cent. longus. Sporidia ovato-oblonga, deorsum acutata, 9 ≈ 4, sæpe inæquilateralia, 1–guttata, hya-

lina. Specimina nostra ab iconibus citatis stipite paulo breviore recedunt.

229. **Polyporus cæsius** Fr. Hym. europ. p. 547.

Hab. in trabibus putridis *a Belluno,* Oct. 1878 (SPEGAZZINI).

Obs. Pileo hymenioque albis, per ætatem v. tactu hinc inde cæsio-virentibus facile distinguenda species.

230. **Trametes rubescens** (A. S.) Fr. Hymen. p. 584. Myc. Univ. n. 710. *Dædalea rubescens* A. S. Lus. t. 11. f. 2.

Hab. in truncis Salicum in alveo Plavis prope *Belluno,* Oct. 1878 (SPEGAZZINI).

231. **Clavaria** (Syncoryne) **purpurea** Fr. Hymen. europ. p. 674. Fl. dan. t. 837 f. 2., Sacc. Mycoth. Ven. cent. XIV.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878 (BIZZOZERO).

Obs. Sporidia subglobosa, basi apiculata, 1–nucleata, 7 diam., hyalina. Colore vivide cinnabarino prædistincta species.

232. **Clavaria** (Ramaria leucosp.) **tenuissima** Sacc. Minima (vix 1. cent. alta) tota amœne violacea, carnosula; trunculis filiformibus brevibus, repetito dichotome ramosis, ramulis patule ascendentibus, filiformibus apice acutiusculis; basidiis copiosissimis cylindraceo-clavatis, 15 ≈ 4–6; sporis diu basidiis inclusis dein insterigmatibus brevissimis acrogenis, perfecte globosis, minute 1–guttulatis, 2 micr. d., hyalinis.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878 (BIZZOZERO).

Obs. Cum *Clar. lilacina* Fr. (Schäff. t. 172) unice comparanda; ab illa tamen magnitudine quinquies et ultra minore, ramis exacte dichotomis et multo tenuioribus statim distinguitur.

233. **Cyphella muscicola** Fr. Hymen. europ. p. 663. Fl. dan. t. 2083. f. 2.

Hab. ad folia Mnii ligulati *a Belluno e Selva* Oct. 1878.

Obs. Sporæ ellipsoideæ, 5–6 ≈ 2–3, 2- v. pluriguttulatæ, hyalinæ.

234. **Cyphella Capula** (Holmsk) Fr. Hymen. europ. p. 664.

Hab. in caule Centranthi rubri *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Sporæ ovato-obpyriformes, 8 ≈ 4, pluriguttulatæ, hyalinæ, basidiis clavulatis 25 ≈ 6 apice 3–4 -spiculosis fultæ. Cupulæ stipitatæ, cernuæ, glabræ, sordide albæ.

235. **Typhula candida** Fr. Hymen. europ. p. 685.–f. **Equiseti.**

Hab. in caulibus emortuis Equiseti Telmateja *a Feltre*, Oct. 1878 (Spegazzini).

236. **Typhula filiformis** (Bull.) Fr. Hym. p. 685–Bull. Champ. t. 448. f. 1.

Hab. in foliis putridis populeis, ubi longior, et in foliis Broussonetiæ ubi brevior et pallidior. *a Padova*, Oct. 1878.

237. **Caldesiella italica** Sacc. Mich. I. p. 6. et F. ital. t. 125. Mycoth. Ven. Cent. XIV.

Obs. Iterum reperta ad terram, ad truncos et ad lateritia in uliginosis Horti Patavini, Oct. 1878. Ex novis observationibus in vivo peractis mihi persuasum habeo genus hoc ad Hymenòmycetes hydneos certe spectare. Ab genere *Hydno* sporis ubique copiosis, etiam in subiculo juniore, exquisite muricatis hyphis variis fultis, &c. differt. Ad *Hydnum* se habet fere ut *Coniophora* ad *Corticium*.

Hymenogastreæ Vitt.

238. **Melanogaster variegatus** (Vitt.) Tul., Corda Ic. VI. f. 91. *Octaviana variegata* Vitt. Tub. t. III. fig. 4.

Hab. ad radices Carpini Betuli in monte *Serra* prope *Belluno*, Oct. 1878 (Spegazzini).

Obs. Cortex primo citrinus dein rufescens, levis:

loculorum parietes albæ v. aureæ; sporæ ex oblongo ovoideæ, 5–6 × $2^1/_2$–3, 1–2-guttatæ, fuligineæ.

Hypodermeæ de Bary.

239. **Urocystis Violæ** (Sow.) Fisch. Waldh. Monogr. Ustil. p. 72. *Granularia Violæ* Sow., *Sorosporium schizocaulon* Ces., *Polycystis Violæ* Berk.

Hab. in foliis Violæ odoratæ in montanis prope *Feltre*, Oct. 1878 (SPEGAZZINI).

Obs. Massæ sporarum globosæ, 30–35 micr. diam. e sporis copiosis minutis conflatæ, fuligineæ.

240. **Phragmidium fusiforme** Schröt. Brand. u. Rostpilze Schles. p. 24.

Hab. in pag. inf. foliorum Rosæ alpinæ in Monte *Grappa* prope *Bassano*, Julio 1878 (BIZZOZERO), socio *Cæomate*.

Obs. Teleutosporæ prælongæ, fusoideæ, 90–110 × 20–25, 12-septatæ, fuligineæ, hyalino-asperulæ, apice mucrone hyalino 10 micr. longo auctæ, basi stipite obclavato 120 micr. longo, subhyalino suffultæ.

241. **Uredo Fici** Cast., Hoffm. Ind. p. 146.

Hab. in pagina inferiore foliorum Fici Caricæ a *Belluno*, Oct. 1878 (SPEGAZZINI) – Ex *Licata* (Sicilia) misit V. BELTRANI.

Obs. Uredosporæ globoso-obovatæ, 22-35 × 20-22 minutissime verruculosæ e hyalino luteolæ, intus minute granulosæ.

Phycomyceteæ de Bary

242. **Mucor racemosus** Fres. Beitr. Mykol. pag. 12 t. 1. fig. 24-31.

Hab. in caseo putri a *Padova*, Junio 1878, arte cultus.

Obs. Sporangia stipitata, racemose digesta, globosa 40–50 micr. diam., fuscidula; sporidia numerosa e globoso ovoidea, 4–5 × 3, hyalina.

Pyrenomyceteæ *Fr.*

243. **Microsphæra Berberidis** Lév. Ann. Sc. nat. 1851 p. 159.

Hab. in pag. inf. foliorum Berberidis vulgaris a *Tarvasan* prope *Belluno*, Oct. 1878 (SPEGAZZINI).

Obs. Perithecia globulosa, 80–100 micr. d., appendicibus 8–12 apice ter dichotome ramosis 80-90 ≈ 6, hyalinis cincta. Asci ellipsoidei, 50 ≈ 30, 6–spori: sporidia ellipsoidea, 20–22 ≈ 13–14, granulosa, hyalina.

244. **Anthostomella italica** S. & S. F. it. t. 178. ***A. affinis**: a typo differt peritheciis duplo majoribus, sporidiis paulo brevioribus: nempe perithecia $^3/_4$ mill. d.; asci 90–100 ≈ 8; sporidia 15–16 ≈ 6.

Hab. in caulibus putrescentibus Galii sylvatici a *Belluno,* Oct. 1878.

245. **Gnomonia Epilobii** (Fckl.) Awd. in Mycol. Eur. p. 26 t. 10. fig. 14. *Sphæria Epilobii* Fckl. Symb. mycol. p. 113. – *Sphæria fenestrans* Duby, Kx Flandr. I. 349 eamdem speciem verisimillime sistit et tunc prioritate gauderet.

Hab. in caulibus emortuis Epilobii angustifolii in monte *Grappa* prope *Bassano*, Julio 1878 (BIZZOZERO).

Obs. I. Perithecia grandiuscula, $^1/_3$–$^1/_2$ mill. d., dein umbilicato-collapsa, ostiolo obtuse papillato; contextu parenchymatico, firmo; asci cylindrici, 125–135 ≈ 14, lumine apice exquisite bifoveolato, paraphysibus guttulatis spuriis obvallati, octospori; sporidia ex ovato oblonga utrinque obtusiuscula constricto–1–septata, 20–22 ≈ 10–11, 2–v. sæpius pluriguttulata, hyalina.

Obs. II. *Sphærella Fuckelii* Pass., Erb. critt. it. II. n. 645, quam cl. auctor eamdem ac *Sphæriam Epilobii* Fckl. censet, diversa est, et meo sensu generi *Didymosphæriæ* (Didymellæ) tribuenda est et sic definienda:

246. **Didymosphæria** (Didymella) **Fuckeliana** (Pass.) Sacc. *Sphæria tritorulosa* Plowr. Sph. Brit. cent. II, nec B. & Br. Peritheciis subcutaneo-erumpentibus, lenticularibus, 1/5–1/4 mill. d., distincte papillatis, contextu parenchymatico denso; ascis cylindraceis, breve stipitatis, apice, tunica integra, rotundatis, 70–90 ≈ 8, parce paraphysatis, octosporis; sporidiis breve fusoideis, 12–14 ≈ 4–5, 1–septatis, non constrictis, hyalinis.

Hab. in caulibus emortuis Epilobii Dodonæi a *Vighetfio* prope *Parma*, aut. 1871 (Passerini).

Obs. Sphæria tosta B. & Br., sec. descriptionem, huc spectare videtur, sed hujus nominis specimina Cookeana cum *Diaporthe Epilobii* Fckl. congruunt.

247. **Venturia Spegazziniana** Cooke in litt. Peritheciis laxe gregariis, superficialibus, globulosis, senio umbilicato-collapsis, 1/10–1/8 mill. d., ostiolo impresso pertusis, undique setulis divergentibus, acutis, basi incrassatis, 40 ≈ 3½–4, 1–cellularibus, atris vestitis; contextu perithecii minute celluloso fuligineo; ascis cylindraceo-clavatis breve stipitatis, apice rotundatis, 35–40 ≈ 5½–6, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, cylindraceo-fusoideis, 10–11 ≈ 3, constricto-1-septatis, hyalinis.

Hab. in sarmentis corticatis emortuis Vitis viniferæ a *Conegliano*, æstate 1878 (Spegazzini).

248. **Massaria alpina** S. & S. Peritheciis laxe gregariis, cortice nidulantibus, globosis, ½ mill. d., subcarbonaceis, nigris, ostiolo breve conoideo, parum emergente, quandoque irregulariter dehiscente; ascis cylindricis, 170 ≈ 12, brevissime stipitatis, apice, lumine leniter coarctato, rotundatis, paraphysatis, octosporis; sporidiis monostichis, fusoideis, rectis curvulisve, utrinque acutiusculis, 35 ≈ 9, constricto – 3–septatis, 4–guttulatis, olivaceo-fuligineis, senio longitudinaliter striatulis, strato mucoso, hyalino crasso obvolutis.

Hab. in ramis corticatis emortuis Alni viridis in montanis Bellunensibus, Oct. 1878.

249. **Lasiosphæria sulphurella** Sacc. Peritheciis gre-

gariis, adnato-superficialibus e globoso-conoideis, ½–⅔ mill. diam., bysso velutino sulphureo, circumcirca breve descendente, vestitis, ostiolo breve papillato nigro; contextu celluloso flavo-virente, ostioli densiore radiante fuligineo; ascis cylindraceis, breve stipitatis, apice, lumine crenulato, attenuato-truncatis, 180 ≈ 15–18, paraphysibus guttulatis obvallatis, octosporis; sporidiis vermicularibus, curvatis, 60 ≈ 1–5, utrinque rotundatis, caudaque filiformi 25–30 longa auctis, 4–5-nucleatis, hyalinis, rarius apice ovoideo-inflatis.

Hab. in trunco decorticato putri Robiniæ *a Padova,* Oct. 1878.

Obs. A *Las. mutabili* (Pers.) et *L. ovina* (Pers.), quibus affinis, byssi colore inconsueto et sporidiorum forma et magnitudine distinguitur.

250. **Diaporthe** (Sclerostroma) **Cratægi** Nke. Fckl. Symb. p. 204.

Hab. in ramis corticatis emortuis Cratægi Oxyacanthæ *a Belluno,* Oct. 1878 (Spegazzini).

Obs. Acervuli subvalsei satis compacti, ostiolis parum emergentibus, obtusiusculis. Asci fusoidei 90–100 ≈ 9–12, aparaphysati, octospori; sporidia disticha, cylindracea, utrinque obtusiuscula, 17–18 ≈ 5–6, 1-septata leniter constricta, 4-guttulata, hyalina.

251. **Dothidea Sambuci** (Pers.) Fr., Sacc. Fung. Ven. Ser. V. 182.

Obs. Formas inter se parum recedentes legit cl. Spegazzini in ramis Robiniæ Pseudoacaciæ, Triacanthi, Loniceræ, Evonymi nec non formam stromatibus paulo minoribus magisque depressis in ramulis Genistæ tinctoriæ, omnes circa *Belluno,* aut. 1878. Asci et sporidia in omnibus perquam similia.

252. **Hyponectria flavo-nitens** S. & S. Peritheciis dense gregariis, epidermide pellucida velatis, globoso-lenticularibus, $^1/_{10}$–$^1/_8$ mill. d. breve papillatis, amœne flavis, contextu parenchymatico pallide flavo; ascis cylindraceo-fusoideis, breve stipitatis, 45–50 ≈ 5–6½, apice, lumine sub-unifoveolato, coarctato-rotundatis, aparaphysatis, octosporis; sporidiis distichis ovato-ob-

longis utrinque obtusiusculis, 12–14 ≈ $3^1/_2$–4, continuis, intus granulosis, hyalinis.

Hab. in sarmentis emortuis, quæ flavo-punctata fiunt, Rubi cæsii in *M. Serra a Belluno*, Oct, 1878.

253. **Chilonectria Cucurbitula** (Curr.) Sacc. Micehl. III. 280.

Hab. in ramis corticatis emortuis Frangulæ, Corni sanguineæ et Ostryæ carpinifoliæ in *M. Serra* prope *Belluno*, Oct. 1878.

Obs. Perithecia cæspitulosa, senio cupulato-collapsa, rufo-viridula. Asci clavati, 80–85 ≈ 10, breve stipitati, apice rotundati, aparaphysati, myriospori; sporidia minima, ovoidea, $2^1/_2$–3 ≈ 1–$1^1/_2$, hyalina.

Discomyceteæ *Fr.*

254. **Niptera Grappensis** Sacc. Ascomatibus ceraceo-tenacellis erumpenti-superficialibus, gregariis, sessilibus, scutellaribus, brunneis, disco margineque breve fibrilloso pallidioribus, $^3/_4$–$1^1/_4$ mill. d., contextu excipuli minute celluloso fuligineo, marginis subradiante dilutiore; ascis cylindraceis, breve stipitatis, apice, tunica integra, rotundatis, 70–80 ≈ 12–13, paraphysibus bacillaribus obvallatis, octosporis; sporidiis distichis, oblongo-cylindraceis, inæquilateralibus, 15–17 ≈ 5, utrinque rotundatis, 3-nucleatis, simulateque 1-septatis, hyalinis.

Hab. in caulibus emortuis Myrrhidis odoratæ in Monte *Grappa*, socia *Didymosphæria conoidea* Niessl, Julio 1878 (Bizzozero).

Obs. Ascomatibus majusculis tenacellis, sporidiis ascisque crassis ab affinibus speciebus dignoscitur.

255. **Helotium phyllophilum** (Dmz.) Karst. Symb 239. *Peziza phyllophila* Dmz. IX Not. p. 8. *Pezicula phyllophila* Karst. Fenn. I. p. 167.

Hab. in foliis emortuis Fagi sylvaticæ *a Selva*, Oct. 1878.

Obs. Ascomata stipitata, $^1/_4$ mill. d., pallide straminea, glabra. Asci clavulati, breve stipitati, 60 ≈ 12,

apice rotundati, octospori; sporidia anguste fusoidea, utrinque acutiuscula, leniter curva, $12-15 \approx 2\frac{1}{2}-3$, 2–4–guttulata, hyalina. Bene specimina nostra cum descriptione Dmz. l. c. conveniunt: vix satis cum diagnosi Karst. l. c. In genere *Pezicula* nullo modo militare potest.

256. **Humaria sublivida** S. & S. Ascomatibus scutellaribus, 5–8 mill. d., extus breve denseque ferrugineo-velutinis, disco applanato e cinereo albido; setulis e basi incrassata cuspidatis, septatis, $150-300 \approx 10$, ochraceis; ascis cylindraceis, mediocriter stipitatis, $200-250 \approx 15$, apice, tunica integra, rotundatis, paraphysibus bacillari-clavatis, septulatis hyalinis obvallatis, octosporis; sporidiis monostichis, ellipsoideis, $18-22 \approx 12-14$, levibus, 2–guttatis, hyalinis.

Hab. ad terram uliginosam *a Belluno,* Oct. 1878 (SPEGAZZINI).

Obs. Pluribus speciebus affinis sed distincta. A *Pez. livida* Schum. sporidiis levibus, guttatis, a *P. erinacea* Schw. ascomatibus majoribus, setis longioribus et septatis, a *P. albo-spadicea* Grev. setis multo longioribus et saturatioribus, a *P. cretea* Cke ascomatibus multo majoribus, terricolis, sporidiis quoque majoribus 2–guttatis non ægre distinguenda est.

257. **Velutaria rufo-olivacea** (A. S.) Fckl. Symb. 300. *Pez. rufo-olivacea* A. S.

Hab. in sarmentis emortuis R u b i c æ s i i *a Belluno,* Oct. 1878 (SPEGAZZINI).

Obs. Asci cylindraceo-clavati, $85-90 \approx 12$, incurvo-stipitati, apice tunica incrassatula, rotundati, paraphysati, octospori. Sporidia oblique monosticha, $12 \approx 7$, ellipsoidea, crasse 1–guttata, hyalina.

258. **Velutaria æruginosa** S. & S. Ascomatibus sparsis, aggregatisque, scutellaribus subsessilibus, $\frac{1}{2}-\frac{2}{3}$ mill. d., extus breve ochraceo-puberulis, disco concaviusculo concolore dein fusco-olivaceo; ascis cylindraceis, mediocriter sensim stipitatis, basi ima nodulosis, apice tunica integra rotundatis, $125-130 \approx 12$, paraphysibus, bacillaribus, septulatis, apice clavulà fusoi-

deä, 15–22 ≈ 5–8, crasse chlorino-guttatā terminatis obvallatis, octosporis; sporidiis monostichis, ellipsoideis, 12–14 ≈ 7–8, 2-guttulatis nubilosisque, initio hyalinis tandem fumosis.

Hab. in sarmentis corticatis Vitis viniferæ *a Belluno*, Oct. 1878.

259. **Peziza** (Crouania) **violascens** Cke Mycogr. t. 21 fig. 83.

Hab. in terra uliginosa *a Selva*, Oct. 1878.

Obs. Ascomata 5–9 mill. d., scutellata, sessilia, duriuscula, atro-violacea (ergo nimis vivida in icone Cookeana l. c.) margine minute crenulata: excipuli contextus distincte cellulosus, amœne violascens. Asci cylindrici, longissimi, 170 ≈ 15, p. s. 80–90 longa, apice rotundati, paraphysibus filiformibus apice incurvis, guttulatis obvallati, octospori; sporidia monosticha, perfecte sphærica, 10 micr. d. minute guttulata e dilute violaceo hyalina. Pulcherrima species!

260. **Helvella Ephippium** Lév., Cke Mycogr. fig. 169.

Hab. in uliginosis *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Ascoma extus stipesque griseo-tomentella. Asci cylindraceo-clavati, sensim stipitati, apice rotundati, 240 ≈ 12–14, paraphysati, octospori: sporidia ellipsoidea, 15 ≈ 8–10, crasse 1-guttata, hyalina.

261. **Geoglossum glutinosum** Pers., Cke Mycogr. fig. 6.

Hab. in udis inter Marchantias *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Forma minor vix 1 cent. longa, 1 mill. crassa. Asci clavato-fusoidei 120–150 ≈ 15–18, apice attenuato-truncati, paraphysibus bacillaribus apice incurvo-clavatis minute septulatis obvallati, octospori; sporidia disticha, fusoidea, curvula 50–65 ≈ 5, typice 3-septata, rarius pluri-septata, vix constricta atro-fuliginea. Paraphysibus apice minus crassis et septulatis ab icone citata nonnihil recedit.

262. **Geoglossum umbratile** Sacc. Sparsum v. gregarium, elongato-clavatum, 3–6 cent. altum, 2–3 mill.

crassum, glabrum, leve exsiccando longitudinaliter striatum, nigrum; ascis cylindraceis brevissime stipitatis, 160 ≠ 20, apice obtusatis, paraphysibus bacillaribus, 4. micr. cr., apice vehementer circinatis, dilute fuligineis obvallatis, octosporis; sporidiis 2–3–stichis, bacillari-fusoideis, v. clavulatis, 80 ≠ 5, curvulis 7-septatis non constrictis fuligineis.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878 (Bizzozero).

Obs. Ex speciebus Geoglossi hucusque cognitis et a cl. Cooke in Mycographia optime illustratis, solo *Geog. Peckiano* Cke (fig. 5) accedit a quo sporidiis brevioribus constanter 7–septatis (nec 15–septatis) differt.

FUNGI VENETI NOVI VEL CRITICI

AUCTORE

P. A. SACCARDO

Series III. [1])

(Ex «Hedwigia» nr. 5, Majo 1875).

Sphæriaceæ Fr.

1. **Massaria epileuca** (Berk. et Curt.) Winter in litt. — Sphæria epileuca B. et C. — Massaria denigrans Sacc. Mycoth. Ven. I. Nr. 83.

Hab. in ramis corticatis putrescentibus Mori albæ Patavii. Martio 1873.

Obs. Cl. Winter identitatem speciei meæ et auctorum citatorum tute probavit, lætorque. — Perithecia gregaria cortice nidulantia, e globoso depressa, 3/4 mill. diam., extus fuligineo villosula; ostiolo brevissimo, latiusculo, truncato; nucleo crasso nigro. Asci clavati 130 * 30, breve crasseque stipitati, paraphysibus filiformibus obvallati, octospori. Sporidia disticha, fusoidea, 65—70 micr. longa, 18—20 micr. crassa, recta v. curvula, 5-septata, ad septa leniter constricta, strato gelatinoso cincta, loculis 4 interioribus opace fuligineis, quandoque crasse guttatis, extimis multo minoribus subapiculatis, pallidioribus.

Obs. Massariæ species Mycologiæ Venetæ addendæ sunt quoque: M. siparia (B. et Br.) Tul. (in Betula), M. marginata Fckl. (in Berberide, sed nullo essentiali charactere a forma typica Rosæ diversa).

2. **Lophiostoma anaxæum** Sacc. Peritheciis sparsis gregariisve ligno obscurato denudato v. cortice relaxato velato insidentibus, majusculis, diam. 1/2 mill., atris, nitidis, subglobosis: ostiolo compresso, perithecio angustiore et breviore, sed sat variabile; nucleo albido; ascis cylindraceo-clavatis breve crasseque stipitatis, 100 * 18, octosporis, paraphysibus copiosis, filiformibus, obvallatis; sporidiis distichis fusoideis, 25—30 * 7—8, conspicue incurvatis, 1-septatis, ad septum profunde constrictis, 4-guttatis, hyalinis, utrinque rotundatis setulaque tenuissima primitus auctis.

Hab. in caule ramisque Artemisiæ camphoratæ in alveo fluminis *Piave* (Anaxi) *a Narvesa* (Treviso) Aug. 1873.

1) Mycologi plures desiderium benevole ostenderunt *Seriei* meæ *primæ* et *tertiæ Fungorum Venetorum* exemplar sibi comparandi. Sed, exemplaribus jam distractis, *Seriem tertiam* rariorem et breviorem, ut mycologis obsequar, denuo hic imprimendam esse existimavi. Quoad *Seriem primam* studiosos monitos volo, omnes species, in eadem serie descriptas, contineri quoque in *Specimine* meo *Mycologiæ Venetæ*, præter non novas *Pucciniam Maydis* et *Uromycetem Lupini*. Nonnullæ species in hac serie III descriptæ, ad nova genera posterius duxi, sed hic ut in prima editione fideliter traduntur.

3. **Lophiostoma pygmæum** Sacc. Peritheciis sparsis, cortice nidulantibus, subglobosis v. depressis, diam. vix $1/4$ mill., atris, intus sordide albis: ostiolo compresso minimo, rotundato epidermidem rimose perforante: ascis cylindraceo-clavatis, 90-100 * 9-10, breve crasseque stipitatis, paraphysibus filiformibus copiosis obvallatis, 8-sporis; sporidiis distichis elongato-fusoideis, 22-28 * $4^1{}_2$-5, curvulis, utrinque acutis, 6-8-guttulatis, tandem spurie pluriseptatis, ad septa leniter constrictis, hyalinis.

Hab. in ramulis corticatis Ampelopsidis hederaceæ *a Vittorio* (Treviso), Octobr. 1873.

Obs. Proximum *L. alpigeno* Fckl., sed omnibus partibus multo minus. A *L. Hederæ* Fckl. sporidiis denique pluriseptatis differt.

4. **Lophiostoma vagabundum** Sacc. Peritheciis sparsis tectis, v. demum semiliberis, minutis, diam. $1/5$ mill., globoso-depressis, atris, intus sordidis, ostiolo valde compresso, lineari, latiusculo, rarius subobsoleto; ascis cylindraceis, 100—120 * 9, breve crasseque stipitatis, paraphysibus filiformibus obvallatis, 8sporis: sporidiis inordinate distichis, fusoideis 20—25 * $4^1{}_2$—5, curvulis utrinque acutis, crasseque 4-guttatis et subtorulosis, hyalinis.

Hab. in caulibus herbarum variarum in sylva *Montello* (Treviso) autumno. Sequentes formas observavi.

1. *Centaureæ nigrescentis:* asci 90 * 8; sp. 25 * 5.
2. *Mellitidis:* asci 100 * 9; sp. 24 * 5.
3. *Senecionis nemorensis:* asci 100 * 10; sp. 25 * 5.
4. *Epimedii:* a. 80 * 8—9; sp. 25 * 5.
5. *Salviæ glutinosæ:* asci 100 * 8—9; sp. 24 * $4^1{}_2$—5.
6. *Melampyri nemorosi:* asci 90 * 8; sp. 24 * 5.
7. *Lythri Salicariæ:* asci 85 * 8; sp. 20—22 * 4—$4^1{}_2$.

Obs. Rarius vidi sporidia senescentia, fuscidula, 3—septata.

5. **Lophiostoma insidiosum** (Desm.) Ces. et DNtrs. Niessl. in Hedwigia 1875 Nr. 2 p. 23. *L. caulium* Fckl., Sacc. Myc. Ven. p. 210. *L. appendiculatum* Niessl (non Fckl.). Sequentes formas in agro Tarvisino et Patavino observavi:

1. *Angelicæ sylvestris:* asci 70 * 14; sp. 20—24 * 5.
2. *Euphorbiæ amygdaloidis:* asci 70 * 12; sp. 25 * $6^1{}_2$.
3. *Saponariæ officinalis:* asci 80 * 12—14; sp. 20 bis 22 * $5^1{}_2$—6.
4. *Meliloti officinalis:* asci 70 * 10—12; sp. 20—22 * 5—6.
5. *Torilis Anthrisci:* asci 70—14; sp. 25 * $6^1{}_2$—7.
6. *Hesperidis matronalis:* asci 80 * 10; sp. 22 * 5.
7. *Lappæ minoris:* asci 80 * 12; sp. 25 * 5—6.
8. *Salviæ pratensis:* 80—90 * 10; sp. 20 * 4—$4^1{}_2$.
9. *Lychnidis dioicæ:* asci 85 * 10; sp. 22 * 4—5.
10. *Asteris Novi Belgii:* asci 70 * 12; sp. 22 * 6.
11. *Hemerocallidis fulvæ:* asci 80 * 12; sp. 24 * $6^1{}_2$.
12. *Ligustri vulgaris* (ramul.): asci 80 * 14; sp. 20—22 * 5—6.
13. *Ailanthi glandulosæ* (petiol.) asci 65—70 * 10—12; sp. 20—22 * $4^1{}_2$—5.

Obs. Sporidia fusoidea, curvula, 5-septata, ad septa nonnihil constricta, quandoque loculo intermedio subprotuberante, utrinque appendiculâ obliquâ, acutâ hyalinâ prædita, minute guttulata, flava, senio fuscidula.

6. **Lophiostoma Niessleanum** Sacc. Peritheciis gregariis, tectis,

plerumque immersis, globulosis, $^1/_4$ mill. diam., ostiolo erumpente compresso tenui: ascis cylindraceo-clavatis, 90—100 * 15, paraphysibus filiformibus obvallatis, 8sporis: sporidiis distichis cylindraceo-fusoideis, 28—30 * $6^1/_2$—$7^1/_2$, curvatis, 7-septatis, ad septum medium subconstrictis, 8-guttulatis, utrinque acute hyalino-appendiculatis, flavis dein olivaceis.

Hab. in caulibus putrescentibus **Asteris Novi Belgii**, socio praecedente, ubi mihi indigitavit **C. Niessl**, *a Selva (Treviso)*, Sept. 1873.

Obs. A vero *Loph. caulium* (Desm.) recedit praecipue sporidiis distincte appendiculatis.

7. **Lophiostoma dumeti** Sacc. Peritheciis sparsis, gregariisve, cortice nidulantibus, globosis, $^1/_3$ mill. diam. membranaceo-carbonaceis, atris: ostiolo valde compresso, emergente, apice arcuatim truncato, basi angustiore: ascis clavatis, 100 * 14, attenuato-stipitatis, basique nodulosis, paraphysibus filiformibus obvallatis, 8-sporis: sporidiis distichis, oblongo-fusoideis, 20—25 * $6^1/_2$—8, plerumque rectis, utrinque obtusiusculis, initio hyalinis, 4-guttulatis, dein 3-septatis, ad septa perparum constrictis, 4-guttulatis, fuligineis, loculis binis interioribus plerumque saturatius coloratis.

Hab. ad ramos corticatos **Rubi fruticosi**, *a Vittorio (Treviso)* Octob. 1873.

Obs. Loph. caespitoso Fckl. subaffine.

8. **Lophiostoma hygrophilum** Sacc. Peritheciis laxe gregariis, immersis, globulosis, diam. vix $^1/_3$ mill., carbonaceis, atris, ostiolis emergentibus, compressis, truncatis, subintegris: ascis clavatis, attenuato-stipitatis, basique nodulosis, 120 * 15, parte sporif. 90—100 micr. longa, paraphysibus filiformibus obvallatis, 8-sporis: sporidiis distichis, oblongis, 20—25 * 10—12, utrinque obtusiusculis, curvulis, initio subdidymis, dein 7-septatis, loculis plerisque longitudinaliter dimidiatis, ad septum medium constrictis, fuligineis.

Hab. in culmis **Arundinis Donacis** putrescentibus Patavii, Martio 1875.

Obs. Valde affine, ex descriptione, *Loph. gregario* Fckl., a quo ostiolis mediocribus, neque minutissimis, sporidiisque ad septa (nisi medium.) non constrictis et matrice aliena satis differt.

9. **Lophiostoma auctum** Sacc. Myc. Ven. 110 t. XI f. 5—10 (16 Mart. 1873).

Obs. Hujus synonymon est *L. appendiculatum* Fckl. Sym. Myc. II. Nachtr. 29 fig. 8 (1873), an posterius meo?

10. **Lophiostoma alpigenum** Fckl. Sacc. Myc. Ven. 111 t. XI f. 11—14.

Forma *Galii sylvatici:* sporidiis 12—13-septatis, loculis pluriguttulatis, hyalinis, 45—50 * 7—8; ascis clavatis 120—130 * 18—20.

Hab. in caule putrescente *Galii sylv.* in s. *Montello* (Treviso) Sept. 1874.

Obs. Species Lophiostomatis nuper detectae in agro Veneto sunt quoque: *L. subcorticale* Fckl. (in **Pyro** et in **Vite**), *L. diminuens* (Pers.) Fckl. [= L. Fuckelii Sacc. Cfr. Michelia 335] (in **Robinia**), *L. macrostomoides* DNtrs. (in **Salice vitellina**), *L. perversum* DNtrs. (in **Orno**, **Moro** et **Populo**), *L. quadrinucleatum* Karst. M. F. II. 85 (in **Xylosteo** et **Orno**) et

L. simillimum Karst. l. c. 84 = L. bicuspidato β Cooke Hndb. 849 = Leptosphæriæ Achilleæ Sacc. Mycol. Ven. 104 t. X 49 a. b. (in Vitalba, Arunco, Achillea).

11. **Melanomma Campi Silii** Sacc. Peritheciis gregariis hemisphæricis, v. subconoideis, $^{1}/_{3}$ mill. diam., atris, glabris, ostiolo minutissimo vix papillato, demum collabescentibus, contextu carbonaceo atro indistincto; ascis cylindraceis, 90—110 * 6—7, apice rotundatis deorsum attenuato-stipitatis, basique subnodulosis, paraphysibus filiformibus tenuibus obvallatis, 8-sporis: sporidiis oblique monostichis v. pro parte distichis, fusoideo-torulosis, 14—15 * 4—$4^{1}/_{2}$, medio profunde constrictis, demumque 1-septatis, 4-guttulatis, hyalinis.

Hab. in ligno denudato duriore fagineo in sylva *Cansiglio* (Campus Silii) Treviso, Octobr. 1874.

Obs. A *M. Pulviscula* (Curr.) et *M. improviso* (Karst.) sporidiis brevioribus et conspicue constrictis præ ceteris differt.

12. **Melanomma dubium** Sacc. Peritheciis remote sparsis, superficialibus, subglobosis, vix $^{1}/_{3}$ mill. diam. in ostiolum cylindraceo-conoideum perithecium æquans attenuatis, minutissime rugulosis basi hyphis brevibus cinctis, ceterum glabris, carbonaceis, atris: ostiolo obtuso dein minute perforato: ascis cylindraceis, angustis: 150 * 8, paraphysibus nullis visis, 8-sporis: sporidiis oblique monostichis, oblongo-fusoideis, 20—25 * 7—8, plerumque curvulis, utrinque acutiusculis, majuscule 1—2-guttulatis, hyalinis.

Hab. in ligno denudato putrescente fagineo in sylva *Cansiglio* (Treviso) Octobr. 1874, parcissime.

Obs. Species ob perithecia remota, longiuscule ostiolata, et sporidia continua (an semper?) in hoc genere anceps et denuo inquirenda.

13. **Melanomma macrosporum** Sacc. Peritheciis laxe gregariis, superficialibus, perfecte globosis, $^{1}/_{5}$—$^{1}/_{6}$ mill. diam., carbonaceis, nitidulis, atris, vertice in ostiolum breve sed acute papillatum desinentibus, glabris, sed basi sæpe hyphis rigidulis fuligineis (Helminthosporii?) cinctis; contextu dense parenchymatico fuligineo-atro: ascis cylindraceo-clavatis, 110—115 * 7—9, basi sensim attenuato-stipitatis, paraphysibus copiosis filiformibus obvallatis, 8-sporis: sporidiis distichis, fusoideo-elongatis, utrinque obtusiusculis, curvulis rectisve, 35—40 * $2^{1}/_{2}$—$3^{1}/_{2}$, 6—9-guttulatis v. granulosis, hyalinis.

Hab. in ligno decorticato fagineo in sylva *Cansiglio* (Treviso) Octobr. 1874.

Obs. Nulli speciei mihi notæ affinis.

14. **Melanomma longicolle** Sacc. Peritheciis laxe gregariis ligno denudato adnatis v. semiimmersis, subglobosis, diam. $^{1}/_{5}$—$^{1}/_{4}$ mill.: atris, nitidulis, ostiolo cylindraceo, perithecium subæquante, apice plerumque parum incrassato, conoideo minute perforato: ascis cylindraceo-clavatis, 90 * 15, basi attenuato-substipitatis: paraphysibus filiformibus obvallatis: 8-sporis: sporidiis distichis oblongo-fusoideis 20 * 7—$7^{1}/_{2}$, rectis curvulisve, 3-septatis, ad septa vix constrictis, 4-guttulatis olivaceo-fuligineis.

Hab. in ramis decorticatis Citri Limonii putrescentibus a *Vittorio* (Treviso), Octobr. 1873.

15. **Melanomma fuscidulum** Sacc. Mycoth. Ven. II. Nr. 159 (sub Sphæria).

Peritheciis sparsis gregariisve ligno adnatis v. semiimmersis sphæroideo-sub-depressis, 1/4 mill. diam., atris, levibus; ostiolo cylindraceo-conoideo, perithecium quandoque subæquante, subrostellato; ascis clavatis, 55 * 7—8, deorsum attenuato-stipitatis, paraphysibus filiformibus obvallatis, 8-sporis; sporidiis distichis fusoideis, 12—14 * 3 1/2—4, rectis curvulisve, initio subhyalinis, 4-guttulatis, dein 3-septatis, ad septa leviter constrictis, olivaceo-fuligineis.

Hab. in trunco ramisque Sambuci nigræ *a Vittorio* (Treviso). Oct. 1873.

Obs. Ob sporidia *Sphæriam Coniothyrium* Fckl. simulat, ceterum valde diversa est.

16. **Melanomma hispidulum** Sacc. Peritheciis laxe gregariis in ligno sæpe albescente superficialibus, globulosis, punctiformibus, 1/7—1/8 mill. diam., vertice leniter depressis, ostiolo exiguo impresso, setulis patentibus, crebriusculis perithecio quadruplo brevioribus undique vestitis: ascis crasse oblongis, 40—45 * 12—15, basi breve attenuato-stipitatis, apice rotundatis, paraphysibus filiformibus parcis brevibus obvallatis, 8-sporis: sporidiis inordinate 2—3stichis, oblongo-ovoideis, 12 * 5—6, utrinque obtusiusculis, rectis, 3—4-septatis, ad septa non v. vix constrictis, rarissime septulo longitudinali præsente, olivaceo-fuligineis, eguttulatis.

Hab. in ligno putrescente *a Selva* (Treviso) Octobr. 1874.

Obs. *Mel. piloscllo* (Karst.) affine, at rite distinctum.

17. **Melanomma Pulviscula** (Curr.) Sacc. Myc. Ven. 114 t. XI f. 33—36 et Mycoth. Ven. I Nr. 87.

Legi quoque in ligno denudato Robiniæ, Alni glutinosæ, Aceris campestris, Quercus, formam uti l. c. descripsi. In cortice duriori Populi nigræ *a Vittorio* legi formam sporidiis plerumque crassioribus, nempe 20—25 * 5—6, 4—5-guttulatis, tandem obsolete 3—4-septatis. In ligno molli quercino in sylva *Montello* legi formam peritheciis dispersis, conico-papillatis, ascis 75—80 * 12—14, sporidiis 22 * 5—6, 4-guttulatis dein 3-septatis.

Obs. Verisimiliter tota species *M. Pulviscula* ad *M. ovoideum* (Fr.) Fckl. reducenda est, suadente quoque cl. Karsten.

18. **Melanomma Pulvis pyrius** (Pers.) Myc. Ven. 113 t. XI f. 37—38 et Mycoth. Ven I Nr. 86.

I. Status spermogonicus: *Phoma Pulvis pyrius:* peritheciis, ascophoris subsimilibus sed plerumque minoribus et subirregularibus, spermatia in sporophororum ramosorum apicibus minima, cylindracea, 3—4 * 3/4, hyalina foventibus. — In ligno Pyri, Alni, Carpini et Quercus in agro Tarvisino et Patavino, socio statu ascophoro.

II. Status ascophorus. Formas sequentes in agris citatis observavi:

1. *Ulmi:* asci 90 * 13: sporidia 18—20 * 6, partim subdisticha, 3—4-septata, septo 1—2 longit. rariore.
2. *Broussonetiæ:* sporidia 16—18 * 6—6 1/2, 3—4-septata, monosticha.
3. *Pyri communis:* sporidia 16 * 4 1/2—5, 3-septata, monosticha.
4. *Alni glutinosæ:* asci 100 * 8; sp. 18—20 * 5—6, 3-septata, septo 1—2 long. rariore, monosticha.

5. *Aceris campestris:* asci 90 * 7; sp. 15—18 * 6—6½, 3-septata, septo 1—2 long. rariore, monosticha.

6. *Coryli Avellanæ:* sporidia 16—18 * 5—5½, 3-septata, monosticha.

7. *Fagi sylvaticæ:* asci 85 * 6—7, spor. 18 * 5, 3-septata, monosticha.

8. *Corni sanguineæ:* sporidia 15—18 * 5, 3-septata, monosticha.

9. *Symphoricarpi racemosæ:* asci 80—100 * 7—8; spor. 20—22 * 6, 3—4-septata, septo 1—2 longit. rariore, monosticha.

19. **Melanomma Catillus** Sacc. Myc. Ven. 114 t. XI f. 39—42. Non amplius lecta, sed prædistincta.

20. **Teichospora Mesascium** (DNtrs.) Sacc. — Sphæria Mesascium DNtrs. sf. it. No. 62. Erb. cr. it. Ser. II. Nr. 442.

Hab. in truncis annosis Vitis viniferæ *a Vittorio* (Treviso) Nov. 1873.

Obs. Asci clavati, 150—180 * 25, paraphysati. Sporidia disticha ovato-fusoidea, 45—50 * 20—22, 7—8 septata, ad septa leniter constricta, fuliginea, initio cribroso-guttulata, dein muriformia.

21. **Trematosphæria pertusella** Sacc. Peritheciis sparsis gregariisve, minutis, globulosis, diam. circ. ⅛ mill., atris, basi ligno insculptis, rarius semiimmersis, carbonaceis, ostiolo conoideo, dein pertuso; ascis cylindraceo-oblongis, deorsum sensim attenuato-stipitatis, 75 * 10, paraphysibus tenuibus parce obvallatis, 8sporis; sporidiis distichis fusoideis 22—24 * 6, rectis, 3-septatis, ad septa constrictis, fuligineo-olivaceis, guttulatis.

Hab. in ligno denudato ramorum Fici Caricæ *a Selva* (Treviso) Octobr. 1873.

Obs. A Tremat. pertusa, (in agro Veneto quoque sæpius obvia) cui similis, differt peritheciis fere dimidio minoribus, ostiolo angustius pertuso, ascis sporidiisque rectis, paulo minoribus.

22. **Caryospora Putaminum** (Schw.) DNtrs. Microm. Dec. IX., ubi ex errore asci nulli habentur.

Hab. in putamine putrescente Persicæ vulgaris, Patavii, Majo 1874.

Obs. Asci juniores clavato-cylindracei usque 200 micr. longi, paraphysati, dein evanescentes. Sporidia initio fusoideo-elongata 60 * 18, bilocularia, loculis crasse 1-guttatis, locello minuto acuto v. obtuso utrinque aucta, fuliginea, strato gelatinoso persistente obvoluta, dein biconica, maxima, 80—85 * 30—35, bilocularia, ad septum leniter constricta, utrinque attenuata et sæpius inverso-curvata, prorsus opaca.

23. **Caryospora callicarpa** (Curr.) Nke.-Fckl S. M. 163.

Hab. in cortice duriore Populi nigræ, *a Vittorio*, (Treviso) Oct. 1873.

Obs. Asci clavati, ampli, 150 * 35, paraphysati, octospori. Sporidia disticha, v. oblique monosticha, biconico-fusoidea, 80 * 18-25, curvula initio constricto-1-septata, loculis dein spurie trilocularibus, 2—3-guttulatis, fuligineis: prorsus matura non vidi.

24. **Caryospora Olearum** (Cast.) Sacc.

Hab. in cortice duriore Oleæ europææ in agro Veronensi et Tridentino, autumno 1874.- *a Conegliano* (Speg. 1876).

Obs. I. Asci cylindracei, 110 * 12—14, breve crasseque stipi-

tati, paraphysati, 8-spori. Sporidia disticha cylindraceo-fusoidea, 28—32 * 9—10 $^1/_2$, utrinque obtusiuscula, sæpius inæquilateralia, subcymbiformia, initio subhyalina, pluri-guttulata, dein 5—7-septata olivaceo-fuliginea, ad septum medium leniter constricta.

Obs. II. *Sphæria melina* B. et Br. in Rabh. F. E. Nr. 1835 huic peraffinis est, ergo ex eodem genere. (Hæc et *C. Olearum* in « Michelia » p. 345 ad gen. *Melanomma* duxi.)

25. **Bertia macrospora** Sacc. Peritheciis dense gregariis confluentibusque, superficialibus subrotundis, repandisque ubique obtuse verruculosis, atris, opacis, diam. circiter $^3/_4$—1 mill., ostiolo brevi papillato, quandoque vix distincto, contextu pachydermatico, carbonaceo, atro; ascis cylindraceo-clavatis, apice rotundatis, deorsum crassiuscule attenuato-stipitatis, 100—130 * 15, stipite imo basi noduloso appendiculatoque, paraphysibus filiformibus brevibus parcis obvallatis, 8-sporis; sporidiis oblique monostichis v. distichis, elongato-fusoideis, 40—45 * 10—12, plerumque curvulis, utrinque obtuse attenuatis, constricto 1-septatis, crasse 4-guttatis, tandem tenuiter 3-septatis, hyalinis.

Hab. in ligno decorticato putre fagineo in sylva *Cansiglio* (Treviso) Octobr. 1874.

Obs. Affinis *Bertiæ querceti* Rehm Asc. No. 43 et Winter Diagn. und. Notiz. zu Rehm's Asc. p. 5: differt vero sporidiis plus quam duplo crassioribus, peritheciis magis rugosis, subopacis, etc.